Typology and Use-Wear of the Palaeolithic Stone Tools from the Recent Excavations (2015 to 2023) of Shanidar Cave (Iraqi Kurdistan)

Appendices



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Appendix 1: Experimental Series Raw Data

Material	Action	Striations	Polish	Edge alterations
Raw meat	Cutting	Limited, narrow and shallow	Very bright, greasy, widespread	Few, small, isolated feather scars
Raw meat + bone	Cutting	Few, narrow and shallow	Very bright, greasy, widespread	Small – medium feather and hinge scars
Raw meat + bone	Sawing	Few, narrow and shallow	Very bright, greasy, widespread	Large undulating hinge and step scars
Cooked meat	Cutting	Limited, narrow and shallow	Very bright, greasy, less widespread than raw	Few, small, isolated feather scars
Cooked meat + bone	Cutting	Few, narrow and shallow	Very bright, greasy, less widespread than raw	Large hinge and step scars
Cooked meat + bone	Sawing	Few, narrow and shallow	Very bright, greasy, less widespread than raw	Large undulating hinge and step scars
Dry bone	Cutting /Engraving	Significant number of striations	Bright, pitted and grainy	Large, deep step and hinge scars
Dry bone	Drilling	N/A	N/A	Large step scar and snap scar across tip
Fresh bone	Cutting /Engraving	Significant number of striations	Very bright, greasy, widespread	Large, deep step and hinge scars
Fresh bone	Drilling	N/A	N/A	Large step scar and snap scar across tip
Fresh fish	Scraping/ Descaling	N/A	Very bright greasy polish, linear streaks within polish	Limited number of small, discontinuous feather scars
Fresh fish	Cutting	N/A	Very bright greasy polish, linear streaks within polish	Limited number of small, discontinuous feather scars
Cooked fish	Cutting	N/A	Very bright greasy polish, linear streaks within polish	Limited number of small, discontinuous micro scars
Fresh hide	Scraping	N/A	Bright, greasy. Slow forming and less widespread than meat polish	Significant edge rounding
Fresh hide	Cutting	N/A	Bright, greasy. Slow forming and less widespread than meat polish	Significant edge rounding, feather scars
Fresh hide	Awling	Few, narrow and shallow	Bright, greasy. Slow forming and less widespread than meat polish. More polish formation than the other actions.	Significant edge rounding
Dry hide	Scraping	N/A	Dull, pitted. Slow forming, less widespread than fresh hide	Significant edge rounding

Material	Action	Striations	Polish	Edge alterations
Dry hide	Cutting	N/A	Dull, pitted. Slow forming, less widespread than fresh hide	Significant edge rounding, feather scars
Dry hide	Awling	N/A	Limited amount if polish formed. Dull, pitted. Slow forming, less widespread than fresh hide	Large discontinuous hinge scars, significant rounding
Shell	Cutting/ Engraving	N/A	Limited polish formation. Matt, non-greasy, dull	Large, deep, continuous step and hinge scars
Shell	Drilling	Limited, horizontal to tip	N/A	Step and snap along tip, rounded unworkable edge
Hard wood	Sawing	Small limited striations	Smooth, bright, domed polish. Extensive	Large, deep, continuous hinge and isolated larger step scarring
Hard wood	Cutting	Small limited striations	Smooth, bright, domed polish. Extensive	Limited scar formation, rounding
Hard wood	Scraping/ Debarking	Small limited striations	Smooth, bright, domed polish. Extensive	Limited edge alteration, some hinge scarring on ventral face. Some rounding
Soft wood	Sawing	Small limited striations	Smooth, bright, domed polish. Extensive	Hinge scars, undulating pattern
Soft wood	Cutting	Small limited striations	Smooth, bright, domed polish. Extensive	Limited scar formation, rounding
Soft wood	Scraping/ Debarking	Small limited striations	Smooth, bright, domed polish. Extensive	Limited edge alteration, some step scarring on ventral face. Some rounding
Oak bast fibres	Scraping/ Peeling	Small faint striations at 9-degrees to worked edge	N/A	Medium hinge scars, some rounding
Pine bast fibres	Scraping/ Peeling	Very small, faint striations at 90 degrees to worked edge	Very bright, glossy polish	Limited alteration, few feather scars
Antler – Dry	Cutting	Small faint striations at 9-degrees to worked edge	Dull, limited amount of pitting	Continuous step and hinge scars
Antler – Dry	Drilling	N/A	N/A	Large step scars, snapped tip
Antler– Dry	Scraping	Small faint striations at 9-degrees to worked edge	Dull polish, very limited pitting	Large hinge and step scars
Antler-Wet	Cutting	N/A	Minimal, dull polish	Small continuous hinge scars
Antler-Wet	Drilling	N/A	Dull polish, very limited pitting	Hinge scars, few step scars, tip became rounded

Material	Action	Striations	Polish	Edge alterations
Antler-Wet	Scraping	N/A	N/A	Small continuous hinge scars
Horn – Dry	Cutting	N/A	Bright polish radiating away from worked edge	Continuous feather scars, few isolated hinge scars
Horn – Dry	Drilling	Limited, faint striations occurring horizontal to worked tip	Dull polish, very limited pitting	Tip became rounded but did not snap. Limited hinge scars
Horn – Dry	Scraping	N/A	N/A	Feather and hinge scars, limited edge rounding
Horn - Wet	Cutting	N/A	Limited polish formation, bright and greasy extending away from worked edge	Continuous feather scars, isolated hinge scars
Horn - Wet	Drilling	N/A	N/A	Small hinge scars along with one large snap scar along the worked tip
Horn - Wet	Scraping	N/A	N/A	Continuous hinge scars along dorsal face, limited edge rounding

Appendix 2: Shanidar Lithic Assemblage Typology Raw Data

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
1	**-**	9	Cortical flake	Cortical flake	**4**	MIS 3	**32**	**11**	**9**	Chert
2	537	17	Frags	Frags	**4**	MIS 3	**-**	**-**	**-**	Chert
3	**-**	37	Cortical flake	Cortical flake	**4**	MIS 3	**30**	**12**	**9**	Chert
4	**-**	10	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
5	**-**	30	Unretouched blade	Blade Butt	**0**	N/A	**-**	**-**	**-**	Chert
6	**-**	43	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
7	**-**	8	Unretouched blade	Blade Butt	**0**	N/A	**-**	**-**	**-**	Chert
8	**-**	19	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
9	**-**	46	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
10	**-**	36	Flake core	Core	**0**	N/A	**-**	**-**	**-**	Chert
11	546	29	Bladelet Core	Core	**5**	MIS 3	**40**	**39**	**25**	Chert
12	519	18	Flake	Flake	**3**	MIS 3	**21**	**11**	**5**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
13	529	15	Retouched Flake	Retouched Flake	**4**	MIS 3	**19**	**17**	**3**	Chert
14	617(a-d)	50	Frags	Frags	**3**	MIS 3	**-**	**-**	**-**	Chert
15	**-**	39	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
16	**-**	33	Unretouched blade	Blade Butt	**0**	N/A	**-**	**-**	**-**	Chert
17	**-**	20	Cortical flake	Cortical flake	**0**	N/A	**-**	**-**	**-**	Chert
18a	**-**	44	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
18b	**-**	44	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
19a	537	13	Flake	Flake	**4**	MIS 3	**19**	**8**	**3**	Chert
19b	537	13	Retouched Bladelet	Retouched Bladelet	**4**	MIS 3	**29**	**6**	**3**	Chert
20	**-**	42	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Jasper
21	**-**	31	Unretouched blade	Blade Butt	**0**	N/A	**-**	**-**	**-**	Chert
22a	**-**	47	Bladelet	Bladelet	**0**	N/A	**-**	**-**	**-**	Chert
22b	**-**	47	Bladelet	Bladelet	**0**	N/A	**-**	**-**	**-**	Chert
23	**-**	26	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
24	-	40	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
25	-	23	Flake	Flake	**0**	N/A	-	-	-	Chert
26	543	16	Frags	Frags	**5**	MIS 3	-	-	-	Chert
27	-	35	Flake	Flake	**0**	N/A	-	-	-	Chert
28	512	27	Side scraper	Single- edged side scraper	**2**	MIS 3	**21**	**12**	**3**	Chert
29	-	24	Unretouched blade	Blade Butt	**0**	N/A	-	-	-	Chert
30	-	38	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
31	-	34	Unretouched blade	Blade Butt	**0**	N/A	-	-	-	Chert
32	-	32	End scraper	End scraper	**0**	N/A	-	-	-	Chert
33	723	-	Retouched Flake	Retouched Flake	**5**	MIS 3	**21**	**8**	**3**	Chert
34	524	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
35	716	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
36	516	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
37	504	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
38	735	-	Informal tool	Informal tool	**4**	MIS 3	**42**	**28**	**4**	Chert
39	750	-	Retouched bladelet	Retouched bladelet	**5**	MIS 3	**20**	**7**	**2**	Chert
40	723	-	Retouched blade	Blade butt	**5**	MIS 3	**29**	**12**	**4**	Chert
41	709	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
42	714, 543	-	Bladelet Core	Core	**3**	MIS 3	**24**	**18**	**9**	Chert
43	752	-	Side scraper	Double-edged side scraper	**5**	MIS 3	**30**	**29**	**9**	Chert
44	752	-	Bladelet Core	Prismatic bladelet core	**5**	MIS 3	**22**	**19**	**7**	Chert
45	711	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
46	708	-	Point	Point	**5**	MIS 3	**30**	**9**	**4**	Chert
47	524	-	Cortical flake	Cortical flake	**3**	MIS 3	**21**	**8**	**3**	Chert
48	602	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
49	526	-	Crested Blade	Crested Blade	**3**	MIS 3	**12**	**2**	**2**	Chert
50	751	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
51	721	-	Burin	Burin	**5**	MIS 3	**44**	**31**	**11**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
52	545	57	Retouched Blade	Snapped	**5**	MIS 3	**31**	**12**	**3**	Chert
53	718	59	Awl	Awl	**5**	MIS 3	**39**	**29**	**5**	Chert
54	733	61	Flake core	Core	**6**	MIS 3	**24**	**18**	**9**	Chert
55	802	67	Side scraper	Single- edged side scraper	**5**	MIS 3	**52**	**31**	**9**	Chert
56	708	54	Limestone frags	Limestone frags	**5**	MIS 3	**-**	**-**	**-**	Limestone
57	708	53	Flake	Flake	**5**	MIS 3	**31**	**26**	**7**	Chert
58	518	80	End scraper	Cortical flake come End scraper	**3**	MIS 3	**40**	**29**	**11**	Chert
59	712	**-**	Frags	Frags	**5**	MIS 3	**-**	**-**	**-**	Chert
60	711	56	Retouched blade	Snapped	**5**	MIS 3	**32**	**19**	**4**	Chert
61	508	78	Cortical flake	Cortical flake	**3**	MIS 3	**21**	**18**	**3**	Chert
62	748	**-**	Retouched Blade	Snapped	**3**	MIS 3	**62**	**22**	**7**	Chert
63	748	62	Retouched Blade	Snapped	**5**	MIS 3	**50**	**10**	**4**	Chert
64	748	63	Retouched Bladelet	Retouched Bladelet	**5**	MIS 3	**39**	**8**	**4**	Chert
67	1127	**-**	Frags	Frags	**6**	MIS 3	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
68	1195	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
69	1128	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
70	1128	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
71	1128	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
72	1197	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
73	1534	-	Flake core	Flake core with retouch	**7**	MIS 4	**55**	**42**	**21**	Chert
74	1535	-	Retouched Blade	Snapped	**7**	MIS 4	**36**	**22**	**6**	Jasper
75	1503	-	Retouched Blade	Blade butt	**8**	MIS 5a	**21**	**11**	**3**	Chert
76	1508	-	Retouched Flake	Retouched Flake	**9**	MIS 5a	**33**	**28**	**4**	Chert
77	1544	-	Frags	Frags	-	-	-	-	-	Chert
78	1157	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
79	1086	-	Frags	Frags	**5**	MIS 3	-	-	-	Limestone
80	568	-	Frags	Frags	**3**	MIS 3	-	-	-	Limestone
81	1176	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
82	1058	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
83	1033	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
84	567	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
85	1162	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
86	1150	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
87	1210	-	Limestone frags	Limestone frags	**5**	MIS 3	-	-	-	Limestone
88	1044	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
89	1043	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
90	1113	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
91	1014	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
92	1045	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
93	1043	-	Frags	Frags	**3**	MIS 3	-	-	-	Limestone
94	568-1	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
95	568-2	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
96	568-2	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
97	1015	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
98	566-2	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
99	1054	-	Frags	Frags	**5**	MIS 3	-	-	-	Limestone
100	585	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
101	1004	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
102	1016	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
103	1004	-	Flake	Flake	**0**	N/A	-	-	-	Limestone
104	1107	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
105	1056	253	Cortical flake	Cortical flake	**5**	MIS 3	**21**	**11**	**8**	Chert
106	1037	187	Side scraper	Double-edged side scraper	**3**	MIS 3	**41**	**20**	**7**	Chert
107	1043	229	Retouched Point	Retouched Point	**3**	MIS 3	**24**	**4**	**3**	Chert
108	1049	207	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**39**	**9**	**4**	Chert
109	1034	301	Burin	Burin	**3**	MIS 3	**30**	**10**	**4**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
110	1043	241	Burin	Burin	**3**	MIS 3	**31**	**19**	**4**	Chert
111	1107	265	Retouched Blade	Truncated	**3**	MIS 3	**80**	**19**	**4**	Chert
112	1037	123	End scraper	Double straight end scraper	**3**	MIS 3	**32**	**13**	**5**	Chert
113	1014	98	Side scraper	Cortical convex scraper	**5**	MIS 3	**31**	**20**	**7**	Chert
114	1013	94	Burin	Cortical burin with retouch	**5**	MIS 3	**32**	**12**	**5**	Jasper
115	1118	202	Retouched bladelet	Retouched bladelet	**5**	MIS 3	**26**	**9**	**3**	Chert
116	1213	303	Retouched bladelet	Retouched bladelet	**5**	MIS 3	**19**	**5**	**2**	Chert
117	1151	304	Retouched Point	Retouched Point	**5**	MIS 3	**22**	**4**	**3**	Chert
118	1046	196	Bladelet Core	Core	**3**	MIS 3	**28**	**9**	**7**	Chert
119	1213-1216	308	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**11**	**4**	**2**	Chert
120	148	568	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Chert
121	1048	211	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**19**	**4**	**2**	Chert
122	1034	300	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**19**	**8**	**3**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
123	**-**	274	Point	Point	**0**	N/A	**-**	**-**	**-**	Chert
124	1043	230	Frags	Frags	**3**	MIS 3	**-**	**-**	**-**	Chert
125	1227	306	Frags	Frags	**2**	MIS 3	**-**	**-**	**-**	Chert
126	1050	221	Cortical flake	Cortical flake	**2**	MIS 3	**9**	**8**	**2**	Chert
127	1045	225	Cortical flake	Cortical flake	**3**	MIS 3	**31**	**19**	**6**	Chert
128	1043	228	El Wad point	El Wad point	**3**	MIS 3	**20**	**11**	**2**	Chert
129	1049	208	Cortical flake	Cortical flake	**3**	MIS 3	**19**	**11**	**2**	Chert
130	1255	275	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Limestone
131	1043	166	Informal tool	Informal tool	**3**	MIS 3	**39**	**20**	**6**	Chert
132	1125	246	Mousterian point	Mousterian Point	**5**	MIS 3	**38**	**19**	**5**	Chert
133	1046	195	Cortical flake	Cortical flake	**3**	MIS 3	**17**	**11**	**4**	Chert
134	1037	186	Side scraper	Single- edged side scraper	**2**	MIS 3	**22**	**17**	**2**	Chert
135	1033	307	Awl	Awl	**3**	MIS 3	**21**	**8**	**2**	Chert
136	568	310	Frags	Frags	**3**	MIS 3	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
137	1207	305	Limestone frags	Limestone frags	**5**	MIS 3	**-**	**-**	**-**	Limestone
138	1062	258	Informal tool	Informal tool	**4**	MIS 3	**22**	**13**	**2**	Chert
139	1107	302	Crested Blade	Crested Blade	**3**	MIS 3	**41**	**7**	**5**	Chert
140	568	130	Retouched bladelet	Retouched bladelet	**3**	MIS 3	**22**	**9**	**4**	Chert
141	1046	194	Flake Core	Core	**3**	MIS 3	**26**	**19**	**11**	Chert
141A	1037	141	Flake core	Core	**3**	MIS 3	**38**	**27**	**20**	Chert
141B	568	147	End scraper	Curved end scraper	**3**	MIS 3	**42**	**20**	**11**	Chert
141C	1095	**-**	Limestone frags	Limestone frags	**5**	MIS 3	**-**	**-**	**-**	Chert
141D	568	149	Limestone frags	Limestone frags	**3**	MIS 3	**-**	**-**	**-**	Limestone
141E	567	102	Notch	Notch	**2**	MIS 3	**22**	**12**	**4**	Chert
141F	1037	158	Limestone frags	Limestone frags	**3**	MIS 3	**-**	**-**	**-**	Limestone
141G	1037	170	Dufour bladelet	Dufour bladelet	**3**	MIS 3	**19**	**6**	**2**	Chert
141H	1146	**-**	Frags	Frags	**3**	MIS 3	**-**	**-**	**-**	Chert
141I	568	129	Unretouched point	Unretouched point	**3**	MIS 3	**21**	**10**	**4**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
141J	396	-	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Jasper
141K	1037	161	Burin	Burin	**3**	MIS 3	-	-	-	Chert
141L	-	103	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
141M	1036	120	Flake Core	Core	**3**	MIS 3	**29**	**21**	**12**	Chert
142	1418	498	Cortical Flake	Cortical Flake	**3**	MIS 3	**22**	**10**	**2**	Chert
143	1418	503	Flake	Flake	**3**	MIS 3	**11**	**6**	**2**	Chert
144	1458	568	Flake	Flake	**4**	MIS 3	**12**	**8**	**3**	Chert
145	1306	404	Flake	Flake	**5**	MIS 3	**15**	**9**	**2**	Chert
146	1433	531	Frags	Frags	**4**	MIS 3	-	-	-	Chert
147	1458	567	Retouched bladelet	Retouched bladelet	**4**	MIS 3	**26**	**12**	**4**	Jasper
148	1381	521	Limestone frags	Limestone frags	**3**	MIS 3	-	-	-	Limestone
149	1438	527	Retouched Blade	Blade Butt	**4**	MIS 3	**28**	**21**	**3**	Chert
150	1418	479	Cortical flake	Cortical flake	**3**	MIS 3	**41**	**24**	**11**	Chert
151	1433	516	Side Scraper	Double-edged side scraper	**4**	MIS 3	**31**	**19**	**4**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
152	1381	-	Limestone frags	Limestone frags	**3**	MIS 3	-	-	-	Limestone
153	1453	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
154	1315	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
155	1394	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
156	1305	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
157	1395	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
158	1559	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
159	1450	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
160	1381	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
161	1459	570	Flake core	Core	**5**	MIS 3	**42**	**31**	**11**	Chert
161A	1459	570	Pebble	Pebble	**5**	MIS 3	-	-	-	Chert
162	1448	550	Retouched Blade	Truncated	**5**	MIS 3	**103**	**35**	**11**	Chert
163	1400	456	Unretouched point	Unretouched point	**4**	MIS 3	**42**	**10**	**6**	Chert
164	1418	508	Retouched bladelet	Retouched bladelet	**3**	MIS 3	**32**	**4**	**2**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
165	1369	463	Elongated Mousterian Point	Elongated Mousterian Point	**5**	MIS 3	**50**	**20**	**6**	Chert
166	1418	513	Crested Blade	Crested blade	**3**	MIS 3	**41**	**18**	**8**	Chert
167	1410	468	Elongated Mousterian Point	Elongated Mousterian Point	**5**	MIS 3	**42**	**20**	**3**	Chert
168	1503	569	Awl	Awl	**8**	MIS 5a	**35**	**22**	**5**	Chert
169	1418	486	Awl	Awl	**3**	MIS 3	**42**	**19**	**6**	Jasper
170	1433	514	Unretouched point	Unretouched point	**4**	MIS 3	**38**	**12**	**4**	Chert
171	1418	476	Crested Blade	Crested Blade	**3**	MIS 3	**32**	**5**	**4**	Chert
172	1418	509	End scraper	End scraper	**3**	MIS 3	**71**	**32**	**9**	Chert
173	1045	**-**	Frags	Frags	**3**	MIS 3	**-**	**-**	**-**	Chert
174	2764	**-**	Frags	Frags	**0**	N/A	**-**	**-**	**-**	Chert
175	**-**	**-**	Frags	Frags	**0**	N/A	**-**	**-**	**-**	Chert
176	**-**		Frags	Frags	**0**	N/A	**-**	**-**	**-**	Chert
177	1008	**-**	Frags	Frags	**4**	MIS 3	**-**	**-**	**-**	Chert
178	1112	**-**	Frags	Frags	**4**	MIS 3	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
179	1046	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
180	1213	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
181	1037	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
182	1046	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
183	1155	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
184	2763	-	Frags	Frags	**0**	N/A	-	-	-	Chert
185	1058	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
186	2570	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
187	1043	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
188	1061	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
189	2554	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
190	2639	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
191	2543	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
192	1034	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
193	1037	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
194	2790	-	Frags	Frags	**0**	N/A	-	-	-	Chert
195	1002	-	Frags	Frags	**3**	MIS 3	-	-	-	Limestone
196	1040	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
197	1207	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
198	568	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
199	2519	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
200	2516	-	Flake core	Core	**12**	MIS 5c	**29**	**21**	**13**	Chert
201	2518	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
202	1504	-	Frags	Frags	**8**	MIS 5a	-	-	-	Chert
203	1523	-	Denticulate	Denticulate	**10**	MIS 5a	**32**	**29**	**4**	Chert
204	1504	-	Frags	Frags	**8**	MIS 5a	-	-	-	Chert
205	1505	-	Retouched Bladelet	Retouched Bladelet	**8**	MIS 5a	**31**	**6**	**4**	Chert
206	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
207	1355	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
208	1358/1449	-	Point	Point	**0**	N/A	-	-	-	Chert
209	1340	581	Flake core	Core	**5**	MIS 3	**42**	**26**	**19**	Chert
210	1457	-	Limestone frags	Limestone frags	**3**	MIS 3	-	-	-	Limestone
211	1406	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
212	1327	580	Crested Blade	Crested Blade	**5**	MIS 3	**49**	**9**	**7**	Jasper
213	1514	-	Flake	Flake	**10**	MIS 5a	**29**	**19**	**2**	Chert
214	1322	583	Elongated Mousterian Point	Elongated Mousterian Point	**4**	MIS 3	**34**	**13**	**3**	Chert
215	1345	583	Limestone frags	Limestone frags	**6**	MIS 3	-	-	-	Limestone
216	1435	582	Retouched flake	Retouched flake	**7**	MIS 4	**28**	**10**	**5**	Chert
217	1458	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
218	1392	-	Side scraper	Convergent side scraper	**4**	MIS 3	**40**	**20**	**3**	Chert
219	1501	584	Retouched flake	Retouched flake	**5**	MIS 3	**26**	**13**	**2**	Chert
220	1327-1329	589	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
221	-	-	Cortical flake	Cortical flake	**0**	N/A	-	-	-	Chert
222	1507	574	Mousterian point	Mousterian Point	**9**	MIS 5a	**31**	**18**	**4**	Chert
223	1451	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
224	1315	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
225	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
226	1418	492	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
227	1367	466	Bladelet core	Core	**5**	MIS 3	**28**	**19**	**5**	Chert
228	1310	406	Side Scraper	Single curved side scraper	**5**	MIS 3	**35**	**19**	**3**	Chert
229	1418	501	Retouched Blade	Snapped	**3**	MIS 3	**41**	**18**	**5**	Chert
230	1418	477	Retouched bladelet	Retouched bladelet	**3**	MIS 3	**19**	**5**	**2**	Chert
231	1531	-	Frags	Frags	**6**	MIS 3	-	-	-	Limestone
232	1543	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
233	1503/1510/1520/1523	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
234	1535	-	Informal tool	Informal retouched tool	**7**	MIS 4	**28**	**21**	**7**	Jasper
234A	1535	-	Retouched Bladelet	Retouched Bladelet	**7**	MIS 4	**22**	**9**	**2**	Jasper
235	1540	-	Frags	Frags	**6**	MIS 3	-	-	-	Limestone
236	1584	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
237	1537	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
238	1506	-	Retouched Blade	Blade butt	**8**	MIS 5a	**24**	**12**	**3**	Chert
239	Cleaning 1503/1504/1505/1506	-	Point	Point	**0**	N/A	-	-	-	Chert
240	1507, 4200	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
241	1509,	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
242	1533	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
243	1502	-	Frags	Frags	**8**	MIS 5a	-	-	-	Chert
244	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
245	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
246	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
247	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
248	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
249	-		Flake	Flake	**0**	N/A				Jasper
250	-	471	Retouched Blade	Snapped	**3**	MIS 3	**32**	**18**	**5**	Chert
251	1310	437	Limestone frags	Limestone frags	**5**	MIS 3	-	-	-	Limestone
252	-	564	Flake	Flake	**0**	N/A	-	-	-	Chert
253	-	483	Flake	Flake	**0**	N/A	-	-	-	Jasper
254	-	484	Flake	Flake	**0**	N/A	-	-	-	Chert
255	1325	402	Retouched flake	Snapped flake with retouch	**5**	MIS 3	**22**	**17**	**2**	Chert
256	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
257	1418	495	Flake	Flake	**0**	N/A	-	-	-	Chert
258	1418	497	Flake	Flake	**0**	N/A	-	-	-	Chert
259	-	436	Flake	Flake	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
260	1377	420	Flake	Flake	**0**	N/A	-	-	-	Chert
261	1418	511	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
262	1418	504	Flake	Flake	**0**	N/A	-	-	-	Chert
263	1395	538	Flake	Flake	**0**	N/A	-	-	-	Chert
264	1418	496	Flake	Flake	**0**	N/A	-	-	-	Jasper
265	1438	530	Flake	Flake	**0**	N/A	-	-	-	Chert
266	-	-	Mousterian point	Mousterian point	**0**	N/A	-	-	-	Chert
267	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
268	-	-	Point	Point	**0**	N/A	-	-	-	Chert
269	-	-	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Chert
270	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
271	1418	-	Blade Core	Core	**0**	N/A	-	-	-	Chert
272	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
273	1404	-	Flake	Flake	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
274	-	-	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Chert
274A	-	-	Flake	Flake	**0**	N/A	-	-	-	Jasper
274B	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
274C	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
274D	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
274E	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
274F	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
274G	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
275	1611	613	Flake	Flake	**0**	N/A	-	-	-	Chert
276	-	639	Flake	Flake	**0**	N/A	-	-	-	Chert
277	-	686	Flake	Flake	**0**	N/A	-	-	-	Chert
278	560	619	Flake	Flake	**0**	N/A	-	-	-	Chert
279	622	721	Frags	Frags	**5**	MIS 3	-	-	-	Chert
280	2310		Frags	Frags	**10**	MIS 5a	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
281	1736	666	Side scraper	Side scraper	**0**	N/A	-	-	-	Limestone
282	1663, 5073	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
283	-	-	Flake core	Core	**0**	N/A	-	-	-	Chert
284	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
285	1620		Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
286	1502-1505	732	Frags	Frags	**2**	MIS 3	-	-	-	Chert
287	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
288	1605	-	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Chert
289	1648, 5227	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
290	1611, 4560	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
291	560, 639	-	Frags	Frags	**0**		-	-	-	Limestone
291A	560, 639, 4619	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
291B	560, 639, 4619	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
291C	560, 639, 4619	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
292	638. 639.580. 581.	-	Awl	Awl	**3**	MIS 3	**21**	**7**	**2**	Chert
293	1624, 4604	-	Unretouched Bladelet	Unretouched Bladelet	**5**	MIS 3	-	-	-	Chert
294	1611, 4560	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
295	560, 4580	-	Unretouched Bladelet	Unretouched Bladelet	**0**	N/A	-	-	-	Chert
296	1752	671	Side scraper	Double-edged side scraper	**12**	MIS 5a	**31**	**19**	**4**	Chert
297	560	722	End scraper	End scraper	**4**	MIS 3	**34**	**18**	**6**	Chert
298	632	619	Retouched Bladelet	Retouched Bladelet	**5**	MIS 3	**21**	**5**	**2**	Chert
299	1653	675	Mousterian point	Mousterian Point	**4**	MIS 3	**35**	**21**	**4**	Chert
300	1734, 4935	-	Round stone	Round stone	**12**	MIS 5c	-	-	-	Limestone
301	629, 4533	-	Unretouched Bladelet	Unretouched Bladelet	**3**	MIS 3	-	-	-	Chert
302	609. 4524	-	Unretouched Bladelet	Unretouched Bladelet	**2**	MIS 3	-	-	-	Chert
303	629, 4533	-	Flake	Flake	**3**	MIS 3	-	-	-	Chert
304	629, 4522	-	Flake	Flake	**3**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
305	1611, 4560	-	Flake	Flake	**5**	MIS 3	-	-	-	Chert
306	1613, 4585	-	Flake core	Flake core	**5**	MIS 3	**32**	**28**	**27**	Chert
307	567	640	Bladelet core	Bladelet core	**2**	MIS 3	**39**	**29**	**19**	Chert
308	1622	627	Bladelet core	Bladelet core	**3**	MIS 3	**39**	**29**	**12**	Chert
309	1655	680	Cortical flake	Cortical flake	**3**	MIS 3	**22**	**17**	**4**	Chert
310	1519,4348	729	Cortical flake	Cortical flake	**10**	MIS 5a	**31**	**19**	**3**	Chert
311	1502-1505,4349	728	Flake core	Core	**2**	MIS 3	**28**	**21**	**14**	Jasper
312	1611,4560	-	Unretouched Bladelet	Unretouched Bladelet	**5**	MIS 3	-	-	-	Chert
313	1156	653	Elongated Mousterian point	Elongated Mousterian point	**4**	MIS 3	**42**	**18**	**6**	Chert
314	1627	631	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**27**	**5**	**2**	Chert
315	1502-1505,4349	730	Retouched point	Retouched point	**2**	MIS 3	**30**	**21**	**6**	Chert
316	1648	665	Mousterian point	Mousterian point	**5**	MIS 3	**42**	**36**	**6**	Chert
317	1638	648	Mousterian point	Mousterian Point	**5**	MIS 3	**41**	**21**	**6**	Chert
318	1634	715	Informal tool	Informal tool	**5**	MIS 3	**12**	**6**	**3**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
319	629	601	Retouched Blade	Blade butt	**2**	MIS 3	**37**	**11**	**5**	Chert
320	1743	670	Limestone frags	Limestone frags	**12**	MIS 5a	**-**	**-**	**-**	Limestone
321	1388	656	Unretouched Bladelet	Unretouched Bladelet	**4**	MIS 3	**-**	**-**	**-**	Chert
322	567	621	Cortical flake	Cortical flake	**2**	MIS 3	**35**	**7**	**6**	Chert
323	1628	637	Mousterian point	Mousterian point	**3**	MIS 3	**31**	**18**	**5**	Chert
324	1747	658	Retouched flake	Retouched flake	**12**	MIS 5a	**31**	**22**	**3**	Chert
325	1609	609	Retouched Bladelet	Retouched Bladelet	**4**	MIS 3	**12**	**6**	**3**	Chert
326	561	623	Flake	Flake	**4**	MIS 3	**-**	**-**	**-**	Chert
327	1660	692	Cortical flake	Cortical flake	**4**	MIS 3	**29**	**6**	**4**	Chert
328	1037	645	Unretouched Bladelet	Unretouched Bladelet	**3**	MIS 3	**-**	**-**	**-**	Chert
329	1611	614	Unretouched Bladelet	Unretouched Bladelet	**0**	N/A	**-**	**-**	**-**	Chert
330	1609	607	Side scraper	Single- edged side scraper	**4**	MIS 3	**42**	**34**	**7**	Chert
331	1636	649	Retouched Blade	Snapped	**5**	MIS 3	**29**	**20**	**4**	Chert
332	567	620	Unretouched point	Unretouched point	**2**	MIS 3	**32**	**9**	**3**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
333	-	617	Unretouched Bladelet	Unretouched Bladelet	**0**	N/A	-	-	-	Chert
334	634	625	Retouched Blade	Snapped	**4**	MIS 3	**27**	**18**	**4**	Chert
335	581	685	Retouched Blade	Blade butt	**4**	MIS 3	**31**	**19**	**3**	Chert
336	567	630	Flake	Flake	**2**	MIS 3	-	-	-	Chert
337	630(A)	605	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**9**	**6**	**2**	Chert
338	560	616	Unretouched Bladelet	Unretouched Bladelet	**4**	MIS 3	-	-	-	Chert
339	560	628	Flake	Flake	**4**	MIS 3	-	-	-	Chert
340	1609	606	Retouched Point	Retouched Point	**4**	MIS 3	**28**	**11**	**3**	Chert
341	1652	672	Retouched Bladelet	Retouched Bladelet	**5**	MIS 3	**26**	**8**	**3**	Chert
342	1603	-	Flake	Flake	**0**	N/A	-	-	-	Limestone
343	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
344	-	-	Limestone frags	Limestone frags	**0**	N/A	-	-	-	Limestone
345	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
346	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
347	-	-	Point	Point	**0**	N/A	-	-	-	Chert
348	-	-	End scraper	End Scraper	**0**	N/A	-	-	-	Chert
349	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
350	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
351	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
352	-	-	Side scraper	Side scraper	**0**	N/A	-	-	-	Chert
353	-	-	Flake	Flake	**0**	N/A	-	-	-	Jasper
354	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
355	-	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
356	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
357	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
358	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
359	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
360	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
361	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
362	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
363	-	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
364	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
365	-	-	End scraper	End Scraper	**0**	N/A	-	-	-	Chert
366	-	-	Blade Core	Core	**0**	N/A	-	-	-	Jasper
367	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
368	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
369	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
370	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
371	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
372	1919		Mousterian point	Mousterian point	**7**	MIS 4	**38**	**26**	**6**	Chert
373	1915	-	Pebble	Pebble	**7**	MIS 4	-	-	-	Limestone
374	1862	-	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**18**	**11**	**2**	Jasper

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
375	1858	814	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**30**	**6**	**2**	Chert
376	1858	**-**	Frags	Frags	**3**	MIS 3	**-**	**-**	**-**	Chert
377	1845	**-**	Frags	Frags	**6**	MIS 3 early	**-**	**-**	**-**	Chert
378	1916	**-**	Retouched bladelet	Retouched bladelet	**7**	MIS 4	**28**	**11**	**4**	Jasper
379	1924	**-**	Burin	Burin	**10**	MIS 5a	**22**	**7**	**4**	Chert
380	1832	**-**	Unretouched blade	Blade Butt	**3**	MIS 3/4				Chert
381	1922	801	End scraper	End scraper	**7**	MIS 4	**32**	**22**	**8**	Chert
382	1852	**-**	Frags	Frags	**6**	MIS 3 early	**-**	**-**	**-**	Limestone
383	1925	**-**	Burin	Burin	**9**	MIS 5a	**23**	**11**	**5**	Chert
384	1824	**-**	Limestone frags	Limestone frags	**6**	MIS 3/4	**-**	**-**	**-**	Limestone
385	1519	842	Cortical flake	Cortical flake	**9**	MIS 5a	**41**	**32**	**11**	Chert
386	1835	**-**	Frags	Frags	**4**	MIS 3/4	**-**	**-**	**-**	Chert
387	1836	**-**	Retouched Blade	Snapped	**4**	MIS 3	**53**	**20**	**7**	Chert
388	1838	**-**	Limestone frags	Limestone frags	**4**	MIS 3	**-**	**-**	**-**	Limestone

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
389	1845	789	Burin	Burin	**6**	MIS 3 early	**56**	**22**	**8**	Jasper
390	1916	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
391	1916	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
392	1908	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
393	1916	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
394	1916	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
395	1923	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
396	1914	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
397	1902	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
398	1139	841	Limestone frags	Limestone frags	**6**	MIS 3	-	-	-	Limestone
399	1852	818	End scraper	End scraper	**6**	MIS 3 early	**28**	**21**	**5**	Jasper
400	1836	782	Denticulate	Denticulate	**5**	MIS 3	**35**	**13**	**6**	Chert
401	1835	767	Unretouched blade	Blade Butt	**4**	MIS 3/4	**25**	**19**	**3**	Chert
402	1852	825	Flake	Flake	**6**	MIS 3 early	**35**	**22**	**4**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
403	1845	791	End scraper	End scraper	**6**	MIS 3 early	**41**	**19**	**4**	Chert
404	1860	815	Side scraper	Double-edged side scraper	**6**	MIS 3 early	**36**	**31**	**11**	Chert
405	1862	821	Side scraper	Double-edged side scraper	**3**	MIS 3	**36**	**35**	**11**	Chert
406	1924	808	Unretouched Blade	Snapped blade	**10**	MIS 5a	**55**	**21**	**9**	Chert
407	1868	826	Side scraper	Double-edged side scraper	**6**	MIS 3 early	**47**	**25**	**9**	Chert
408	1933	840	Side scraper	Double-edged side scraper	**10**	MIS 5a	**-**	**-**	**-**	Chert
409	1852	822	Unretouched blade	Blade Butt	**6**	MIS 3 early	**29**	**11**	**4**	Chert
410	1823	754	Bladelet	Bladelet	**6**	MIS 3/4	**18**	**5**	**2**	Chert
411	1852	819	Mousterian point	Mousterian point	**6**	MIS 3 early	**36**	**22**	**4**	Chert
412	1914	787	Crested Blade	Crested Blade	**5**	MIS 3	**41**	**11**	**7**	Chert
413	1823	748	Cortical flake	Cortical flake	**6**	MIS 3/4	**33**	**17**	**6**	Chert
414	1913	785	Frags	Frags	**6**	MIS 3 early	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
415	1823	746	Limestone frags	Limestone frags	**6**	MIS 3/4	**-**	**-**	**-**	Limestone
416	1924	809	Retouched Blade	Blade butt	**10**	MIS 5a	**26**	**20**	**4**	Chert
417	1809	734	Flake	Flake	**3**	MIS 3	**22**	**12**	**2**	Chert
418	1925	812	Flake core	Core	**9**	MIS 5a	**38**	**29**	**13**	Chert
419	1816	741	Retouched Blade	Blade butt	**6**	MIS 3/4	**31**	**13**	**6**	Chert
420	1852	824	Side scraper	Double-edged side scraper	**6**	MIS 3 early	**57**	**26**	**6**	Chert
421	1924	806	Mousterian point	Mousterian point	**10**	MIS 5a	**36**	**20**	**4**	Chert
422	1904	774	Cortical flake	Cortical flake	**7**	MIS 4	**41**	**19**	**5**	Chert
423	1922	800	Mousterian point	Mousterian point	**7**	MIS 4	**37**	**22**	**4**	Jasper
424	1852	822	Mousterian point	Mousterian point	**6**	MIS 3 early	**26**	**16**	**6**	Chert
425	1852	817	Cortical flake	Cortical flake	**6**	MIS 3 early	**-**	**-**	**-**	Chert
426	1835	771	Cortical flake	Cortical flake	**4**	MIS 3/4	**24**	**11**	**3**	Chert
427	1856	811	Unretouched blade	Blade butt	**3**	MIS 3	**33**	**16**	**4**	Jasper

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
428	1834	781	Mousterian point	Mousterian point	**5**	MIS 3/4	**27**	**20**	**3**	Jasper
429	1931	817	Flake	Retouched flake	**10**	MIS 5a	**34**	**14**	**4**	Chert
430	1924	807	Retouched Bladelet	Retouched Bladelet	**10**	MIS 5a	**19**	**5**	**3**	Chert
431	1808	735	Limestone frags	Limestone frags	**3**	MIS 3	**-**	**-**	**-**	Limestone
432	1835	768	Bladelet Core	Core	**4**	MIS 3/4	**28**	**20**	**18**	Chert
433	1823	802	Retouched Bladelet	Retouched Bladelet	**6**	MIS 3/4	**25**	**16**	**3**	Jasper
434	1852	813	Bladelet core	Core	**6**	MIS 3 early	**35**	**4**	**18**	Chert
435	1845	796	Limestone frags	Limestone frags	**6**	MIS 3 early	**-**	**-**	**-**	Limestone
436	1868	833	Limestone frags	Limestone frags	**6**	MIS 3 early	**-**	**-**	**-**	Limestone
437	1913	786	Cortical flake	Cortical flake	**6**	MIS 3 early	**41**	**25**	**9**	Chert
438	1859	**-**	Flake	Flake	**6**	MIS 3 early	**29**	**23**	**5**	Chert
439	1803	**-**	Bladelet Core	Core	**2**	MIS 3	**29**	**21**	**20**	Chert
440	1812	**-**	Frags	Frags	**3**	MIS 3	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
441	1802	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
442	1924	-	Retouched Blade	Blade butt	**10**	MIS 5a	**34**	**22**	**5**	Chert
443	1907	-	Limestone frags	Limestone frags	**5**	MIS 3	-	-	-	Limestone
444	1922	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
445	1931	-	Frags	Frags	**10**	MIS 5a	-	-	-	Jasper
446	1925	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
447	1902	-	Frags	Frags	**7**	MIS 4	-	-	-	Limestone
448	1916	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
449	1854	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
450	1834/1836/1837/1838	-	Bladelet Core	Core	**5**	MIS 3	**39**	**22**	**16**	Chert
451	1870		Frags	Frags	**3**	MIS 3	-	-	-	Chert
452	1867	-	Mousterian point	Mousterian point	**6**	MIS 3 early	**22**	**16**	**2**	Chert
452A	1867	-	Cortical flake	Cortical flake	**6**	MIS 3 early	**21**	**14**	**3**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
453	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
454	1838	-	Retouched flake	Retouched flake	**4**	MIS 3	**42**	**31**	**9**	Limestone
455	1858	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
456	1850	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
457	1863	-	Unretouched point	Unretouched point	**6**	MIS 3 early	**21**	**11**	**3**	Chert
457A	1863	-	Mousterian point	Mousterian point	**6**	MIS 3 early	**34**	**21**	**3**	Chert
458	1854	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
459	1935	836	Flake	Flake	**10**	MIS 5a	**21**	**21**	**4**	Chert
460	1803	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
461	1856	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
462	1856	-	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**21**	**9**	**4**	Chert
463	1856	-	Limestone frags	Limestone frags	**3**	MIS 3	-	-	-	Limestone
464	1868	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Limestone

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
465	1812	-	Limestone frags	Limestone frags	**3**	MIS 3	-	-	-	Limestone
466	1852	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Limestone
467	1845	-	Retouched Blade	Blade Butt	**6**	MIS 3	**31**	**30**	**7**	Chert
467A	1845	-	Mousterian point	Mousterian point	**6**	MIS 3 early	**30**	**5**		Chert
468	1859	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
469	1866	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
470	1861	-	Side scraper	Single- edged side scraper	**6**	MIS 3 early	**40**	**11**	**6**	Chert
471	1931		Frags	Frags	**10**	MIS 5a	-	-	-	Chert
472	1860	-	Limestone frags	Limestone frags	**6**	MIS 3 early	-	-	-	Limestone
473	1863	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
474	2101	883	Flake	Flake	**10**	MIS 5a				Chert
475	2101	884	Flake	Flake	**10**	MIS 5a				Chert
476	2101	878	Limestone frags	Limestone frags	**10**	MIS 5a	-	-	-	Limestone

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
477	2101	888	Limestone frags	Limestone frags	**10**	MIS 5a	**-**	**-**	**-**	Limestone
478	2037	869	Flake core	Core	**6**	MIS 3 early	**57**	**41**	**13**	Jasper
479	1876	944	Mousterian point	Mousterian point	**6**	MIS 3 early	**48**	**36**	**7**	Jasper
480	2125	893	Side scraper	Double-edged side scraper	**5**	MIS 3	**51**	**31**	**6**	Chert
481	2043	941	Elongated Mousterian Point	Elongated Mousterian Point	**6**	MIS 3 early	**40**	**19**	**2**	Chert
482	2041	919	Retouched Blade	Snapped	**6**	MIS 3 early	**32**	**21**	**3**	Chert
483	2039	864	Retouched Blade	Snapped	**6**	MIS 3 early	**22**	**12**	**2**	Chert
484	2000		Frags	Frags	**10**	MIS 5a	**-**	**-**	**-**	Chert
485	**-**	879	UP Point	Point	**0**	N/A	**-**	**-**	**-**	Chert
486	2000	854	Informal tool	Informal tool	**10**	MIS 5a	**45**	**22**	**4**	Chert
487	2039	863	Flake core	Core	**6**	MIS 3 early	**36**	**29**	**4**	Jasper
488	**-**	880	Side scraper	Double-edged side scraper	**1**	Top MIS 3	**52**	**30**	**11**	Chert
489	**-**	882	Cortical	Cortical	**1**	Top MIS 3	**32**	**21**	**9**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
			flake	flake						
490	2017	850	Unretouched blade	Snapped blade	**6**	MIS 3 early	**51**	**29**	**11**	Limestone
491	2037	870	Limestone frags	Limestone frags	**6**	MIS 3 early	**-**	**-**	**-**	Limestone
492	2127	913	Frags	Frags	**11**	MIS 5a	**-**	**-**	**-**	Chert
493	2125	894	Flake	Flake	**11**	MIS 5a	**14**	**8**	**2**	Chert
494	2138	903	Cortical flake	Cortical flake	**11**	MIS 5a	**37**	**12**	**2**	Chert
495	**-**	945	Flake	Flake	**0**	N/A	**-**	**-**	**-**	Jasper
496	2118	886	Unretouched blade	Snapped blade	**5**	MIS 3	**51**	**28**	**11**	Chert
497	**-**	**-**	Frags	Frags	**1**	Top MIS 3	**-**	**-**	**-**	Chert
498	**-**	**-**	Denticulate	Denticulate	**1**	Top MIS 3	**21**	**19**	**2**	Chert
499	**-**	**-**	Blade Core	Core	**1**	Top MIS 3	**-**	**-**	**-**	Chert
500	**-**	**-**	Frags	Frags	**1**	Top MIS 3	**-**	**-**	**-**	Chert
501	**-**	**-**	Frags	Frags	**1**	Top MIS 3	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
502	-	-	Frags	Frags	**1**	Top MIS 3	-	-	-	Chert
503	2103	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
504	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
505	2046	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
506	-	-	Flake	Flake	**0**	N/A	-	-	-	Limestone
507	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
508	2037	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
509	2100	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
510	2004	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
511	2000	-	Retouched Bladelet	Retouched Bladelet	**10**	MIS 5a	**32**	**4**	**3**	Chert
511A	2000	-	Retouched Bladelet	Retouched Bladelet	**10**	MIS 5a	**19**	**6**	**2**	Chert
511B	2000	-	Retouched Bladelet	Retouched Bladelet	**10**	MIS 5a	**27**	**2**	**2**	Chert
512	2006	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
513	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
514	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
515	2044	-	Limestone frags	Limestone frags	**6**	MIS 3 early	-	-	-	Limestone
516	2005	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
517	2002	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
518	2007	-	Limestone frags	Limestone frags	**10**	MIS 5a	-	-	-	Limestone
519	2000	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
520	2018	-	Mousterian point	Mousterian point	**6**	MIS 3 early	**72**	**31**	**5**	Chert
521	2018	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
522	-	-	Limestone frags	Limestone frags	**0**	N/A	-	-	-	Limestone
523	2218	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
524	2209	-	Frags	Frags	**0**	N/A	-	-	-	Misc, pebbles
525	2212	-	Flake	Flake	**0**	N/A	-	-	-	Chert
526	2216	-	Limestone	Limestone	**0**	N/A	-	-	-	Limestone

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
			frags	frags						
527	-	-	Frags	Frags	**0**	N/A	-	-	-	Misc, pebbles
528	2208	-	Frags	Frags	**0**	N/A	-	-	-	Chert
529	2210	-	Frags	Frags	**0**	N/A	-	-	-	Jasper
530	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
531	-	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
532	2216	-	Frags	Frags	**0**	N/A	-	-	-	Limestone
533	2217	-	Frags	Frags	**0**	N/A	-	-	-	Chert
534	2201	-	Frags	Frags	**0**	N/A	-	-	-	Misc, pebbles
535	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
536	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
537	-	952	Frags	Frags	**0**	N/A	-	-	-	Chert
538	2201	967	Flake	Flake	**0**	N/A	-	-	-	Chert
539	2201	964	Frags	Frags	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
540	2210	992	Frags	Frags	**0**	N/A	-	-	-	Limestone
541	2210	996	Flake	Flake	**0**	N/A	-	-	-	Chert
542	1007	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
543	2201	977	Flake	Flake	**0**	N/A	-	-	-	Limestone
544	1008	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
545	2209	988	Flake	Flake	**0**	N/A	-	-	-	Limestone
546	2210	993	Flake	Flake	**0**	N/A	-	-	-	Limestone
547	2208	985	Flake	Flake	**0**	N/A	-	-	-	Chert
548	2211	997	Flake	Flake	**0**	N/A	-	-	-	Limestone
549	-	954	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Chert
550	-	953	Flake core	Core	**0**	N/A	-	-	-	Jasper
551	-	982	Informal tool	Informal tool	**0**	N/A	-	-	-	Chert
552	-	981	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
553	2218	1009	Point	Point	**0**	N/A	**-**	**-**	**-**	Chert
554	2257	1050	Frags	Frags	**0**	N/A	**-**	**-**	**-**	Chert
555	2263	1056	Mousterian point	Mousterian point	**7**	MIS 4	**42**	**19**	**9**	Jasper
556	2268	1067	Retouched Blade	Snapped	**7**	MIS 4	**38**	**26**	**4**	Jasper
557	2273	1083	Retouched Bladelet	Retouched Bladelet	**8**	MIS 5a	**16**	**5**	**2**	Chert
558	2272	1082	Informal tool	Informal tool	**8**	MIS 5a	**28**	**20**	**5**	Chert
559	**-**	1097	Unretouched blade	Blade butt	**0**	N/A	**-**	**-**	**-**	Jasper
560	2278	1098	Mousterian point	Mousterian point	**9**	MIS 5a	**31**	**19**	**5**	Chert
561	2278	1102	Flake core	Core	**9**	MIS 5a	**42**	**39**	**22**	Jasper
562	2279	1104	Cortical flake	Cortical flake	**9**	MIS 5a	**23**	**17**	**3**	Chert
563	2279	1106	Limestone frags	Limestone frags	**9**	MIS 5a	**-**	**-**	**-**	Limestone
564	2280	1114	Cortical flake	Cortical flake	**9**	MIS 5a	**31**	**19**	**10**	Chert
565	2281	1116	Mousterian point	Mousterian point	**9**	MIS 5a	**19**	**12**	**4**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
566	2283	1124	Mousterian point	Mousterian point	**9**	MIS 5a	**31**	**28**	**11**	Chert
567	2283	1129	Elongated Mousterian point	Elongated Mousterian point	**9**	MIS 5a	**44**	**18**	**6**	Jasper
568	2284	1142	Cortical flake	Cortical flake	**9**	MIS 5a	**50**	**12**	**4**	Chert
569	2283	1130	Mousterian point	Mousterian point	**9**	MIS 5a	**31**	**17**	**5**	Chert
570	2284	1143	Unretouched blade	Blade butt	**9**	MIS 5a	**24**	**20**	**5**	Chert
571	2284	1149	Retouched Flake	Retouched Flake	**9**	MIS 5a	**32**	**11**	**5**	Chert
572	2284	1154	Unretouched blade	Blade butt	**9**	MIS 5a	**27**	**9**	**8**	Chert
573	2284	1157	Side scraper	Double-edged side scraper	**9**	MIS 5a	**42**	**30**	**4**	Jasper
574	2284	1158	Retouched bladelet	Retouched bladelet	**9**	MIS 5a	**22**	**9**	**4**	Chert
575	2278	1159	Notch	Retouched Flake	**9**	MIS 5a	**21**	**14**	**3**	Chert
576	2284	1160	Retouched bladelet	Retouched bladelet	**9**	MIS 5a	**16**	**11**	**2**	Chert
577	2286	1171	Unretouched blade	Blade butt	**9**	MIS 5a	**22**	**18**	**5**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
578	-	1177	Flake	Flake	**0**	N/A	-	-	-	Chert
579	2300	1179	Informal tool	Informal tool	**10**	MIS 5a	**31**	**28**	**3**	Chert
580	2303	1182	Elongated Mousterian point	Elongated Mousterian point	**9**	MIS 5a	**60**	**26**	**10**	Jasper
581	2303	1185	Informal tool	Informal tool	**9**	MIS 5a	**21**	**18**	**4**	Chert
582	2307	1191	Side scraper	Single- edged side scraper	**10**	MIS 5a	**32**	**28**	**4**	Chert
583	2307	1192	Side scraper	Double-edged side scraper	**10**	MIS 5a	**44**	**31**	**9**	Jasper
584	2312	1197	Side scraper	Double-edged side scraper	**10**	MIS 5a	**35**	**32**	**6**	Chert
585	2312	1198	Mousterian point	Mousterian point	**10**	MIS 5a	**32**	**21**	**2**	Chert
586	2312	1199	Cortical flake	Cortical flake	**10**	MIS 5a	**42**	**30**	**4**	Chert
587	2312	1202	Flake	Retouched Flake	**10**	MIS 5a	**17**	**11**	**3**	Chert
588	2314	1208	Retouched Blade	Whole blade	**10**	MIS 5a	**68**	**22**	**4**	Jasper
589	2314	1209	Elongated Mousterian point	Elongated Mousterian point	**10**	MIS 5a	**41**	**19**	**4**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
590	2312	1216	Side scraper	Single- edged side scraper	**10**	MIS 5a	**32**	**28**	**6**	Jasper
591	2315	1218	Flake	Flake	**11**	MIS 5a	**34**	**13**	**3**	Chert
592	2326	1223	Retouched bladelet	Retouched bladelet	**11**	MIS 5a	**11**	**8**	**3**	Chert
593	2326	1225	Elongated Mousterian point	Elongated Mousterian point	**11**	MIS 5a	**32**	**12**	**4**	Chert
594	2330	1229	Flake	Retouched Flake	**11**	MIS 5a	**27**	**12**	**3**	Chert
595	2331	1233	Mousterian point	Mousterian point	**11**	MIS 5a	**24**	**16**	**4**	Chert
596	2331	1234	Flake	Flake	**11**	MIS 5a	**18**	**16**	**2**	Chert
597	2332	1240	Retouched bladelet	Retouched bladelet	**11**	MIS 5a	**11**	**5**	**3**	Chert
598	2401	1247	Informal tool	Informal tool	**10**	MIS 5a	**50**	**15**	**3**	Chert
599	2401	1248	Cortical flake	Cortical flake	**10**	MIS 5a	**51**	**21**	**4**	Chert
600	2333	1250	Mousterian point	Cortical Mousterian point	**11**	MIS 5a	**21**	**16**	**4**	Chert
601	2401	1252	Mousterian point	Mousterian point	**10**	MIS 5a	**22**	**17**	**3**	Jasper

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
602	2340	1260	Mousterian point	Mousterian point	**12**	MIS 5c	**31**	**28**	**5**	Chert
603	2344	1269	Mousterian point	Mousterian point	**12**	MIS 5c	**26**	**20**	**5**	Chert
604	2342	1271	Frags	Frags	**12**	MIS 5c	**-**	**-**	**-**	Jasper
605	2342	1272	Frags	Frags	**12**	MIS 5c	**-**	**-**	**-**	Chert
606	2346	1273	Frags	Frags	**12**	MIS 5c	**-**	**-**	**-**	Chert
607	2346	1274	Unretouched blade	Blade butt	**12**	MIS 5c	**27**	**14**	**6**	Chert
608	2346	1279	Denticulate	Denticulate	**12**	MIS 5c	**36**	**15**	**5**	Chert
609	2347	1280	Mousterian point	Mousterian point, broken tip	**12**	MIS 5c	**41**	**22**	**3**	Chert
610	2347	1285	Flake	Retouched flake	**12**	MIS 5c	**26**	**18**	**2**	Chert
611	2348	1295	Unretouched blade	Blade butt	**12**	MIS 5c	**16**	**11**	**4**	Chert
612	2348	1296	Cortical flake	Cortical flake	**12**	MIS 5c	**37**	**20**	**6**	Chert
613	2349	1302	Side scraper	Double-edged side scraper	**12**	MIS 5c	**22**	**21**	**5**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
614	2349	1305	Mousterian point	Mousterian point	**12**	MIS 5c	**12**	**11**	**5**	Chert
615	2350	1312	Retouched flake	Retouched flake	**12**	MIS 5c	**22**	**15**	**2**	Chert
616	2351	1335	Unretouched blade	Blade butt	**12**	MIS 5c	**27**	**22**	**3**	Chert
617	2355	1318	Notch	Notch	**12**	MIS 5c	**35**	**12**	**4**	Chert
618	-	-	Unretouched blade	Blade butt	**0**	N/A	-	-	-	Chert
619	-	-	Side scraper	Side scraper	**0**	N/A	-	-	-	Chert
620	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
621	2344	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
622	2350	-	Flake core	Core	**12**	MIS 5c	**39**	**28**	**11**	Jasper
623	2350	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
624	2342	-	Unretouched blade	Blade butt	**12**	MIS 5c	**34**	**22**	**8**	Chert
625	2343	-	Unretouched blade	Blade butt	**12**	MIS 5c	**27**	**25**	**6**	Jasper
626	2350	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
627	2343	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
628	2550	-	Mousterian point	Mousterian point	**12**	MIS 5c	**32**	**28**	**7**	Chert
629	2339	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
630	2342	-	Limestone frags	Limestone frags	**12**	MIS 5c	-	-	-	Limestone
631	2283	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
632	2315	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
633	2261	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
634	2313	-	Retouched Flake	Retouched Flake	**10**	MIS 5a	**18**	**9**	**4**	Chert
635	2284	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
636	2250-2263		Frags	Frags	**0**	N/A	-	-	-	Chert
637	2257	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
638	2281	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
639	2250-2255	-	Frags	Frags	**0**	N/A	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
640	2350	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
641	2303	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
642	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
643	2316	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
644	2272	-	Frags	Frags	**8**	MIS 5a	-	-	-	Chert
645	2314	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
646	2277	-	Frags	Frags	**8**	MIS 5a	-	-	-	Chert
647	2307	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
648	2318	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
649	2259	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
650	2257	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
651	2261	-	Frags	Frags	**7**	MIS 4	-	-	-	Limestone
652	2297	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
653	2312	-	Elongated Mousterian point	Elongated Mousterian point	**10**	MIS 5a	**43**	**19**	**7**	Chert
654	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
655	2305	-	Flake	Flake	**10**	MIS 5a	**32**	**21**	**5**	Chert
656	2261	-	Flake	Flake	**7**	MIS 4	-	-	-	Agate
657	2321	-	Flake	Flake	**11**	MIS 5a	**32**	**19**	**3**	Chert
658	2268	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
659	2280	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
660	2319	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
661	2260	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
662	2266	-	Frags	Frags	**7**	MIS 4	-	-	-	Chert
663	2291	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
664	2310	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
665	2284	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
666	2273	-	Retouched bladelet	Retouched bladelet	**8**	MIS 5a	**9**	**5**	**2**	Chert
667	2300	-	Retouched bladelet	Retouched bladelet	**10**	MIS 5a	**11**	**3**	**2**	Chert
668	2268	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Chert
669	2247	-	Frags	Frags	**0**	N/A	-	-	-	Chert
670	2275	-	Frags	Frags	**8**	MIS 5a	-	-	-	Chert
671	2279	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
672	2276	-	Retouched bladelet	Retouched bladelet	**8**	MIS 5a	**12**	**19**	**3**	Chert
673	2308	-	Frags	Frags	**10**	MIS 5a	-	-	-	Chert
674	2337	-	Side scraper	Double-edged side scraper	**11**	MIS 5a	**32**	**22**	**4**	Chert
675	2331	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
676	2257	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
677	2349	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
678	2349	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
679	2278	-	Frags	Frags	**9**	MIS 5a	-	-	-	Limestone
680	2351	-	Limestone frags	Limestone frags	**12**	MIS 5c	-	-	-	Chert
681	2351	-	Informal tool	Informal tool	**12**	MIS 5c	-	-	-	Chert
682	2251	-	Frags	Frags	**7**	MIS 4	-	-	-	Limestone
683	2255	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
684	2330	-	Frags	Frags	**11**	MIS 5a	-	-	-	Jasper
685	2258	-	Frags	Frags	**7**	MIS 4	-	-	-	Limestone
686	2270	-	Retouched bladelet	Retouched bladelet	**7**	MIS 4	**9**	**6**	**2**	Chert
686A	2270	-	Retouched Bladelet	Retouched Bladelet	**7**	MIS 4	**8**	**5**	**2**	Chert
687	2284	-	Elongated Mousterian point	Elongated Mousterian point	**9**	MIS 5a	**31**	**13**	**6**	Chert
688	2332	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
689	2257	-	Limestone frags	Limestone frags	**7**	MIS 4	-	-	-	Limestone
690	2340	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
691	2265	-	Retouched flake	Retouched flake	**7**	MIS 4	**27**	**22**	**4**	Chert
692	2283	-	Frags	Frags	**9**	MIS 5a	-	-	-	Chert
693	2348	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
694	2250-2253	-	Limestone frags	Limestone frags	**0**	N/A	-	-	-	Limestone
695	2253	-	Retouched bladelet	Retouched bladelet	**7**	MIS 4	**30**	**10**	**5**	Chert
696	2347	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
697	2339	-	Retouched bladelet	Retouched bladelet	**11**	MIS 5a	**9**	**2**	**2**	Chert
698	2349	-	Retouched bladelet	Truncated	**12**	MIS 5c	**26**	**5**	**2**	Chert
699	2333	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
700	2270	-	Awl	Awl/ Piercer	**8**	MIS 5a	**50**	**21**	**4**	Chert
701	2257	-	Mousterian point	Mousterian point	**7**	MIS 4	**22**	**11**	**3**	Chert
702	2339	-	Frags	Frags	**11**	MIS 5a	-	-	-	Chert
703	2339	-	Awl/ Piercer	Awl/ Piercer	**11**	MIS 5a	**20**	**11**	**3**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
704	2349	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
705	2350	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
706	2271	-	Frags	Frags	**8**	MIS 5a	-	-	-	Chert
707	2346	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
708	2340	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
709	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
710	2601	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
711	2608	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
712	2602	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
713	2602	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
714	2603	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
715	2605	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
716	2604	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
717	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
718	2522	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
719	2614	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
720	2613	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
721	2612	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
722	2610	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
723	2611	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
724	2617	-	Frags	Frags	**12**	MIS 5c	-	-	-	Limestone
725	2617	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
727	2617	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
728	2616	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
729	2616	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
730	2616	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
731	2616	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
732	2615	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
733	2604	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
734	2532	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
735	2603	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
736	2603	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
737	2604	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
738	2536	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
739	2604	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
740	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
741	2538 2539	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
742	2576, 2577	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
743	2604	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
744	2603	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
745	2540, 2541	-	Frags	Frags	**0**	N/A	-	-	-	Chert
746	2603	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
747	2603-2605	-	Frags	Frags	**0**	N/A	-	-	-	Chert
748	2037, 2039	-	Frags	Frags	**6**	MIS 3	-	-	-	Chert
749	1868	-	Frags	Frags	**6**	MIS 3 early	-	-	-	Chert
750	2606	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
751	2609	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
752	2601	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
753	2545	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
754	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
755	-	-	Burin	Burin	**0**	N/A	-	-	-	Chert
756	2537	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
757	2425	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
758	2537	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
759	2551	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
760	2507	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
761	2508	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
762	2509	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
763	2531	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
764	2533	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
765	2538	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
766	2547	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
767	2535	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
768	2521, 2522	-	Frags	Frags	**0**	N/A	-	-	-	Chert
769	2536	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
770	2521	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
771	2538	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
772	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
773	2517	-	Frags	Frags			-	-	-	Chert
774	2278-2281	-	Flake	Flake	**9**	MIS 5a	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
775	2537	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
776	2527	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
777	2538	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
778	2538	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
779	2518+2519	-	Frags	Frags	**0**	N/A	-	-	-	Chert
780	2539	-	Mousterian point	Mousterian point	**12**	MIS 5c	**28**	**18**	**5**	Chert
781	2537	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
782	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
783	2518	-	Flake	Flake	**12**	MIS 5c	-	-	-	Chert
784	2544	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
785	2539	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
786	2522	-	Cortical flake	Cortical flake	**12**	MIS 5c	**31**	**11**	**8**	Chert
787	2536-2538	-	Flake	Flake	**3**	MIS 3	**22**	**18**	**3**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
788	2519	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
789	2512	-	Flake	Flake	**12**	MIS 5c				Chert
790	2512	-	Denticulate	Denticulate	**12**	MIS 5c	**21**	**18**	**2**	Chert
791	2542	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
792	2536-2537	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
793	2540	-	Side scraper	Single- edged side scraper	**12**	MIS 5c	**19**	**18**	**4**	Chert
794	2519	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
795	2530	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
796	2541	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
797	2518	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
798	-	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
799	2536	-	Frags	Frags	**3**	MIS 3	-	-	-	Chert
800	2518	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
801	2518	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
802	2537	-	Flake	Flake	**3**	MIS 3	-	-	-	Chert
803	2506	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
804	2503	-	Flake	Flake	**12**	MIS 5c	-	-	-	Chert
805	2536	-	Bladelet Core	Core	**3**	MIS 3	**25**	**19**	**14**	Chert
805A	2536	-	Bladelet Core	Core	**3**	MIS 3	**39**	**11**	**7**	Limestone
805B	2536	-	Bladelet Core	Core	**3**	MIS 3	**31**	**21**	**11**	Chert
805C	2536	-	Bladelet Core	Core	**3**	MIS 3	**37**	**19**	**18**	Chert
806	2650 - Spit 2	-	Flake	Flake	**0**	N/A	-	-	-	Chert
807	2610	-	Informal tool	Informal tool	**12**	MIS 5c	**29**	**12**	**6**	Chert
808	2560	-	Retouched Blade	Blade butt	**12**	MIS 5c	**21**	**5**	**2**	Chert
809	2560	-	Cortical flake	Cortical flake, truncated	**12**	MIS 5c	**22**	**19**	**2**	Chert
810	2503	-	Mousterian point	Mousterian point ,broken tip	**12**	MIS 5c	**38**	**22**	**4**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
811	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
812	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
813	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
814	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
815	2610	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
816	2555	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
817	2558	-	Bladelet	Bladelet	**4**	MIS 3	**11**	**6**	**2**	Chert
818	2555	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
819	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
820	2555	-	Flake	Flake	**12**	MIS 5c	-	-	-	Chert
820A	2555	-	Side scraper	Single- edged side scraper	**12**	MIS 5c	**42**	**25**	**6**	Chert
820B	2555	-	Awl	Awl/ Piercer	**12**	MIS 5c	**39**	**20**	**4**	Jasper
820C	2555	-	Cortical flake	Cortical flake	**12**	MIS 5c	**39**	**12**	**5**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
820D	2555	**-**	Mousterian point	Mousterian point	**12**	MIS 5c	**22**	**11**	**3**	Chert
820E	2555	**-**	Awl	Awl	**12**	MIS 5c	**31**	**10**	**4**	Chert
820F	2555	**-**	Awl	Awl	**12**	MIS 5c	**41**	**18**	**5**	Chert
820G	2555	**-**	Mousterian point	Mousterian point	**12**	MIS 5c	**17**	**7**	**2**	Chert
820H	2555	**-**	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**27**	**5**	**4**	Chert
820I	2555	**-**	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**17**	**6**	**2**	Chert
820J	2555	**-**	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**13**	**2**	**2**	Chert
820K	2555	**-**	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**12**	**4**	**2**	Chert
820L	2555	**-**	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**17**	**4**	**2**	Chert
821	2560	**-**	Frags	Frags	**12**	MIS 5c	**-**	**-**	**-**	Chert
822	2560	**-**	Frags	Frags	**12**	MIS 5c	**-**	**-**	**-**	Chert
823	2563	**-**	Frags	Frags	**2**	MIS 3	**-**	**-**	**-**	Chert
824	2563	**-**	Frags	Frags	**2**	MIS 3	**-**	**-**	**-**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
825	2563	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
826	2563	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
827	2563	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
828	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
829	2563	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert
830	2562	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
831	2558	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
832	2558	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
833	2558	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
834	2558	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
835	2558	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
836	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
837	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
838	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
839	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
840	2552	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
841	2552	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
842	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
843	2528	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
844	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
845	-	-	Flake	Flake	**0**	N/A	-	-	-	Chert
846	2519	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
847	-	-	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
848	2558	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert
849	-	-	Frags	Frags	**0**	N/A	-	-	-	Chert
850	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
851	-	-	Burin	Burin	**0**	N/A	-	-	-	Chert
852	2563	-	Frags	Frags	**2**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
853	1816, 1871	-	Frags	Frags	**5**	MIS 3	-	-	-	Chert
854	2560	-	Frags	Frags	**12**	MIS 5c	-	-	-	Chert
855	2558	-	Mousterian point	Mousterian point	**4**	MIS 3	-	-	-	Chert
856	2555	-	Flake core	Small angular flake core	**12**	MIS 5c	**21**	**18**	**8**	Chert
856A	2555	-	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**41**	**11**	**4**	Chert
856B	2555	-	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**15**	**6**	**2**	Chert
856C	2555	-	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**31**	**5**	**2**	Chert
856D	2555	-	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**47**	**12**	**4**	Chert
856E	2555	-	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**5**	**2**	**2**	Chert
856F	2555	-	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**21**	**5**	**2**	Chert
856G	2555	-	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**21**	**4**	**2**	Chert
857	2560	-	Side scraper	Double-edged side scraper	**12**	MIS 5c	**42**	**32**	**6**	Jasper

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
858	-	1325	End scraper	End scraper	**0**	N/A	-	-	-	Chert
859	-	1504	Informal tool	Informal tool	**0**	N/A	-	-	-	Chert
860	-	1505	Side scraper	Side scraper	**0**	N/A	-	-	-	Chert
861	-	1498	Point	Point	**0**	N/A	-	-	-	Chert
862	-	1499	Informal tool	Informal tool	**0**	N/A	-	-	-	Chert
863	-	1500	Informal tool	Informal tool	**0**	N/A	-	-	-	Chert
865	-	1502	Informal tool	Informal tool	**0**	N/A	-	-	-	Chert
866	-	1503	Informal tool	Informal tool	**0**	N/A	-	-	-	Chert
867	-	1506	Bladelet	Bladelet	**0**	N/A	-	-	-	Chert
868	-	1507	Informal tool	Informal tool	**0**	N/A	-	-	-	Chert
869	2536	1337	Frags	Frags	**3**	MIS 3	-	-	-	Chert
870	2518	1402	Mousterian point	Mousterian point	**12**	MIS 5c	**32**	**31**	**7**	Chert
871	2558	-	Frags	Frags	**4**	MIS 3	-	-	-	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
872	2563	1398	Cortical flake	Cortical flake	**2**	MIS 3	**25**	**11**	**7**	Chert
873	2530	1368	Retouched Bladelet	Retouched Bladelet	**4**	MIS 3	**28**	**7**	**2**	Chert
874	2538	1359	Retouched Point	Cortical point, broken tip	**3**	MIS 3	**36**	**12**	**5**	Chert
875	2539	1366	Mousterian point	Mousterian point	**12**	MIS 5c	**20**	**6**	**2**	Chert
876	2536	1340	Retouched flake	Retouched flake	**3**	MIS 3	**12**	**9**	**2**	Chert
877	2536	1341	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**9**	**7**	**4**	Chert
878	2512	1327	Mousterian point	Mousterian point	**12**	MIS 5c	**50**	**22**	**5**	Chert
879	2517	1336	Elongated Mousterian point	Elongated Mousterian point	**10**	MIS 5c	**31**	**11**	**4**	Chert
880	2430	1335	Retouched Bladelet	Retouched Bladelet	**12**	MIS 5c	**18**	**6**	**2**	Chert
881	2560	1370	Mousterian point	Mousterian point	**12**	MIS 5c	**42**	**38**	**7**	Chert
882	2530	1331	Retouched Bladelet	Retouched Bladelet	**4**	MIS 3	**18**	**4**	**2**	Chert
883	2530	1333	Cortical flake	Cortical flake	**4**	MIS 3	**30**	**12**	**3**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
884	2530	1330	Retouched Bladelet	Retouched Bladelet	**4**	MIS 3	**21**	**4**	**2**	Chert
885	2531	1334	Retouched Bladelet	Retouched Bladelet	**2**	MIS 3	**17**	**5**	**3**	Chert
886	2530	1369	Informal tool	Informal tool	**4**	MIS 3	**20**	**9**	**4**	Chert
887	2593	1377	Flake	Flake	**2**	MIS 3	**25**	**24**	**6**	Chert
888	2539	1362	Awl	Awl	**12**	MIS 5c	**29**	**6**	**3**	Chert
889	2537	1423	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**11**	**6**	**4**	Chert
890	2536	1344	Unretouched blade	Blade butt	**3**	MIS 3	**29**	**19**	**5**	Chert
891	2538	1355	Unretouched blade	Blade butt	**3**	MIS 3	**-**	**-**	**-**	Chert
892	2500	1322	Flake	Flake	**12**	MIS 5c	**6**	**4**	**3**	Chert
893	2536	1342	Flake	Flake	**3**	MIS 3	**16**	**8**	**2**	Chert
894	2530	1374	Informal tool	Informal tool	**4**	MIS 3	**12**	**9**	**8**	Chert
895	2604	1447	Side scraper	Single- edged side scraper	**12**	MIS 5c	**32**	**13**	**5**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
896	2589	1425	Retouched Bladelet	Retouched Bladelet	**2**	MIS 3	**13**	**4**	**2**	Chert
897	2593	1431	Notch	Retouched Flake	**2**	MIS 3	**32**	**12**	**6**	Chert
898	2538	1356	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**22**	**5**	**4**	Chert
899	2604	1455	Mousterian point	Mousterian point	**12**	MIS 5c	**23**	**17**	**3**	Chert
900	2545	1367	Informal tool	Informal tool	**12**	MIS 5c	**56**	**17**	**4**	Chert
901	2560	1384	Side scraper	Convergent side scraper	**12**	MIS 5c	**39**	**22**	**6**	Chert
902	2539	1364	Flake core	Core	**12**	MIS 5c	**38**	**37**	**19**	Jasper
903	2599	1424	Dufour bladelet	Dufour bladelet	**3**	MIS 3	**18**	**4**	**2**	Chert
904	2562	1397	Informal tool	Informal tool	**12**	MIS 5c	**22**	**11**	**6**	Jasper
905	2537	1350	Frags	Frags	**3**	MIS 3				Chert
906	2560	1396	Side scraper	Double-edged side scraper	**12**	MIS 5c	**40**	**19**	**5**	Chert
907	2563	1401	Informal tool	Informal tool	**2**	MIS 3	**41**	**19**	**8**	Chert

Specimen ID	Context	SF number	Type	Category	Level	MIS	Length (mm)	Width (mm)	Thickness (mm)	Material
908	2530	1376	Retouched Bladelet	Retouched Bladelet	**4**	MIS 3	**20**	**6**	**2**	Chert
909	2531	1422	Crested Blade	Crested Blade	**2**	MIS 3	**41**	**12**	**4**	Chert
910	2604	1458	Flake core	Core	**12**	MIS 5c	**22**	**12**	**6**	Chert
911	2538	1354	Limestone frags	Limestone frags	**3**	MIS 3	**-**	**-**	**-**	Limestone
912	**-**	1328	Cortical flake	Cortical flake	**0**	N/A	**-**	**-**	**-**	Chert
913	2593	1375	Retouched Bladelet	Retouched Bladelet	**2**	MIS 3	**31**	**4**	**2**	Chert
914	2537	1345	Retouched Bladelet	Retouched Bladelet	**3**	MIS 3	**31**	**7**	**2**	Chert
915	2537	1352	Informal tool	Informal tool	**3**		**28**	**14**	**5**	Chert
916	2539	1365	Mousterian point	Mousterian point	**12**		**22**	**16**	**3**	Chert
917	2538	1357	Retouched Bladelet	Retouched Bladelet	**3**		**21**	**6**	**3**	Chert

Appendix 3: Shanidar Lithic Assemblage Use-Wear Raw Data

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
488	-	Side scraper	**1**	Rounding along all edges, occasional isolated feather scars	Bright greasy, grainy	Scraping	Soft-medium	Hide, fresh
489	-	Cortical flake	**1**	Significant edge rounding, smoothing on one plane, heavy ochre presence associated with worn edge	N/A	Grinding	Medium	Ochre
498	-	Denticulate	**1**	Small isolated feather scars within retouched scars	Limited, bright, greasy	Cutting	Soft-Medium	Meat and bone
28	512	Side scraper	**2**	Large semi-continuous hinge scars, rounding	Limited but bright and greasy	Cutting	Medium	Meat and bone
319	629	Retouched blade	**2**	Rounded edges, feather and hinge terminations	Bright, domed	Scraping	Soft-medium	Wood, soft
909	2531	Crested Blade	**2**	Striations parallel to worked edge, feather and hinge scars	Bright, greasy	Cutting	Soft-medium	Meat and bone

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
58	518	End scraper	**3**	Significant rounding, limited feather scars	Dull, greasy, grainy	Scraping	Medium	Hide, dry
62	748	Retouched blade	**3**	Small continuous hinge scars	Bright and greasy	Cutting	Medium	Meat and bone
106	1037	Side scraper	**3**	Rounding, smaller isolated feather scars	Dull, matt, grainy	Scraping	Medium	Hide, dry
107	1043	Retouched point	**3**	Rounding on tip, limited feather scars	Bright greasy, grainy	Awling	Soft-medium	Hide, fresh
108	1049	Retouched bladelet	**3**	Snap fracture along tip, later rounded, small feather terminations	Bright greasy, grainy	Awling	Medum	Hide, dry
109	1034	Burin	**3**	Hinge terminations, some rounding. Striations parallel to edge.	Limited, bright, domed	Cutting	Soft-medium	Wood, soft
110	1043	Burin	**3**	Small feather scars	Very bright, glossy	Cutting	Soft	Plant fibres
111	1107	Retouched blade	**3**	Step and hinge Scarring, striations parallel to edge	Dull, Pitted	Cutting	Hard	Bone
112	1037	End scraper	**3**	Rounding. Limited feather scars	Bright greasy, grainy	Scraping	Soft-Medium	Hide, fresh
131	1043	Informal tool	**3**	Rounded edge, heavy step and hinge scaring	Limited, dull, pitting	Cutting	Hard	Bone, dry
139	1107	Crested Blade	**3**	Feather and hinge scars	Bright, greasy	Cutting	Soft-medium	Meat and bone

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
250	1406	Unretouched blade	**3**	Striations parallel to edge, small, hinge scars	Limited but bright and greasy	Cutting	Medium	Meat and bone
375	1858	Retouched bladelet	**3**	Small hinge scars along tip	Dull, greasy, grainy	Awling	Medum	Hide, dry
405	1862	Side scraper	**3**	Rounding, smaller isolated feather scars	Dull, matt, grainy	Scraping	Medium	Hide, dry
787	2536-2538	Unretouched flake	**3**	Small feather scarring	Very bright, glossy	Cutting	Soft	Plant, fibres
874	2538	Retouched point	**3**	Striations parallel to worked edge, feather and hinge scars	Limited, bright and greasy	Cutting	Soft-medium	Meat and bone
141b	568	End scraper	**3**	Rounding, some isolated feather scars	Bright greasy, grainy	Scraping	Soft-Medium	Hide, fresh
141i	568	Unretouched point	3	Snapped and worn tip, large step fractures, Striations horizontal to tip.	Limited, dull, pitted	Drilling	Hard	Bone, dry
141k	1037	Burin	**3**	Deep striations horizontal to worked tip, snap fracture across tip with step terminations. Heavily rounded	Limited, bright, domed	Drilling	Hard	Wood, hard
1	-	Cortical flake	**4**	Continuous step scarring	Limited, dull pitted	Cutting	Hard	Bone, dry
3	-	Cortical flake	**4**	Rounding, hinge scars	Bright, domed polish	Cutting	Soft-Medium	Wood, soft
147	1458	Retouched point	**4**	Some hinge scars, some rounding	Bright, domed	Cutting	Soft-medium	Wood, soft

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
148	537	Retouched bladelet	**4**	Limited hinge scar formation on dorsal face, significant edge rounding	Bright, domed	Cutting	Soft-Medium	Wood, soft
149	1438	Retouched blade	**4**	Hinge terminations, rounded edges, Faint striations parallel to worked edge	Bright, domed	Cutting	Soft-medium	Wood, soft
151	1433	Side scraper	**4**	Rounded edges, very limited scars, feather terminations	Bright greasy, grainy	Scraping	Soft-medium	Hide, fresh
163	1400	Unretouched point	4	Snap fracture on tip, limited feather scars, significant rounding	Bright, greasy, grainy	Awling	Soft-medium	Hide, fresh
170	1433	Unretouched point	4	Small continuous feather scars, some edge rounding.	Bright greasy, grainy	Cutting	Soft-medium	Hide, fresh
218	1392	Side scraper	**4**	Rounded edges, semi-continuous hinge scars	Dull, matt, grainy	Scraping	Medium	Hide, dry
297	560	End scraper	**4**	Rounding, some isolated feather scars	Bright greasy, grainy	Scraping	Soft-Medium	Hide, fresh
299	1653	Mousterian Point	**4**	Small continuous feather scars, edge rounding	Bright, greasy, grainy	Cutting	Soft-medium	Hide

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
313	1156	Elongated Mousterian Point	**4**	Small continuous feather and hinge scars, some edge rounding	Bright, greasy	Cutting	Soft-Medium	Meat and bone
330	1609	Side scraper	**4**	Small feather scars,	Very thin, bright glossy	Scraping	Soft	Plant fibres
335	581	Retouched blade	**4**	Small, continuous hinge terminations, rounded	Bright, thin, smooth, domed	Cutting	Soft-medium	Wood, soft
387	1836	Retouched blade	**4**	Limited feather terminations, significant edge rounding	Bright greasy, grainy	Scraping	Soft-medium	Hide, fresh
855	2558	Mousterian Point	**4**	Limited small hinge scar formation	Limited, bright, greasy	Cutting	Medium	Meat and bone
873	2530	Retouched bladelet	**4**	Continuous small hinge scars, rounding	Bright, greasy	Cutting	Soft-Medium	Meat and bone
908	2530	Retouched bladelet	**4**	Snap across tip. Small, shallow hinge scars along both working edges. Slight rounding.	Bright, domed	Cutting	Soft-Medium	Wood, soft
39	750	Retouched bladelet	**5**	Rounding, small continuous hinge scars	Very bright, domed	Cutting	Soft-Medium	Wood, soft
46	708	Retouched bladelet	**5**	Larger step scars along worked edge, some rounding	Dull, Pitted	Cutting	Hard	Bone, dry

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
51	721	Burin	**5**	Heavily rounded tip, small, rounded hinge scars	Mostly dull, greasy, grainy	Awling	Medium	Hide, dry
52	545	Retouched blade	**5**	Large step and hinge scars on worked edge, rounding	Limited, bright, domed	Cutting	Hard	Wood, hard
55	802	Side scraper	**5**	Large, deep hinge and step scars, rounding, striations at 90 degrees to edge	Bright, domed polish	Scraping	Hard	Wood, hard
57	708	Unretouched flake	**5**	Small feather and hinge scars	Bright, greasy	Cutting	Soft -Medium	Meat and bone
63	748	Retouched blade	**5**	Limited hinge scar formation on dorsal face, significant edge rounding	Limited, bright, domed	Scraping	Soft-medium	Wood, soft
64	748	Retouched bladelet	**5**	Small feather and hinge scars, rounding	Bright, greasy	Cutting	Soft-Medium	Meat and bone
114	1013	Burin	**5**	Small, continuous feather and hinge scars. Striations horizontal to worked edge,	Bright, smooth	Cutting	Soft-medium	Meat and bone
115	1118	Retouched bladelet	**5**	Small feather scars	Very bright, very glossy	Cutting	Soft	Plant fibres
116	1213	Retouched bladelet	**5**	Small feather and hinge scars	Limited, bright, greasy	Cutting	Soft-Medium	Meat and bone

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
132	1125	Mousterian Point	**5**	Small hinge scars, Limited small striations	Bright, greasy	Cutting	Medium	Meat and bone
165	1369	Elongated Mousterian Point	**5**	Larg hinge and step Scars with limited rounding	Dull pitted polish	Drilling	Hard	Bone
167	1410	Elongated Mousterian Point	**5**	Larg hinge and step Scars with limited rounding	Dull pitted polish	Cutting	Hard	Bone
212	1327	Crested Blade	**5**	Small feather scars, rounding	Dull, greasy, grainy	Scraping	Soft-medium	Hide, dry
255	1325	Retouched flake	**5**	Small continuous feather and hinge scars, some edge rounding.	Limited, bright, greasy	Cutting	Soft-medium	Meat and bone
298	632	Retouched bladelet	**5**	Small feather and hinge scars, some striations	Limited, bright, greasy	Cutting	Soft-Medium	Meat and bone
317	1638	Mousterian Point	**5**	Striations in circular pattern around tip. Hinge scars, minimal rounding	Dull, greasy	Drilling	Medium	Horn
400	1836	Denticulate	**5**	Heavy, deep step scarring, rounding	Limited, dull, pitted	Cutting	Hard	Bone, dry
412	1914	Crested Blade	**5**	Rounded edge, large hinge and step scars	Bright, domed	Cutting	Hard	Wood, hard
480	2125	Side scraper	**5**	Rounding. smaller isolated feather scars	Bright greasy, grainy	Scraping	Soft-medium	Hide, fresh

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
389	1845	Burin	**6**	Tip: Heavily rounded tip, some smaller hinge scars.	Bright greasy, grainy	Awling and scraping	Soft-Medium	Hide, Fresh
399	1852	End scraper	**6**	Limited amount of edge rounding, some feather terminations	Very bright, glossy	Scraping	Soft	Plant fibres
402	1852	Unretouched flake	**6**	Heavy step and hinge scars, some rounding	Bright, domed	Cutting	Hard	Wood, hard
403	1845	End scraper	**6**	Some edge rounding, feather and hinge scars	Bright, domed	Scraping	Soft-medium	Wood, soft
407	1868	Side scraper	**6**	Significant edge rounding, isolated hinge scars	Bright, limited to edge, doming	Scraping	Soft-medium	Wood, soft
410	1823	Unretouched bladelet	**6**	Small feather work scars	Very bright, greasy	Cutting	Soft	Meat
419	1816	Retouched blade	**6**	Crushing, significant rounding, Limited hinge and step fractures on dorsal face	N/A	Scraping	Hard	Wood, hard
420	1852	Side scraper	**6**	Rounding, small continuous feather scars	Bright greasy, grainy	Scraping,	Soft-medium	Hide, fresh
425	1852	Cortical flake	**6**	Small, isolated feather and hinge scars	Bright, greasy	Cutting	Soft-medium	Meat and bone
467	1845	Retouched blade	**6**	Hinge scars, rounding	Bright, greasy	Cutting	Soft-medium	Meat and bone

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
470	1861	Side scraper	**6**	Rounded edges, small hinge scars	Dull, matt, grainy	Scraping	Medium	Hide, dry
479	1876	Mousterian Point	**6**	Limited hinge scar formation	Greasy, bright	Cutting	Medium	Meat and bone
481	2043	Elongated Mousterian Point	**6**	Striations diagonal to edge, base rounded, hinge scars	Very bright domed polish	Cutting	Hard	Wood, hard
482	2041	Retouched blade	**6**	Limited hinge scar formation on dorsal face, significant edge rounding	Limited, bright, domed	Scraping	Soft-medium	Wood, soft
555	2263	Mousterian Point	**7**	Heavy, continuous hinge and step scarring.	Limited spread, isolated brighter domes	Cutting	Hard	Wood, hard
222	1507	Mousterian Point	**9**	Small hinge scars, Limited small striations	Very bright greasy	Cutting	Soft	Meat and bone
560	2278	Mousterian Point	**9**	Hinge and step Scars with limited rounding	Bright, pitted	Cutting	Hard	Bone
566	2283	Mousterian Point	**9**	Small hinge scars, Limited small striations	Very greasy, bright	Cutting	Medium	Meat and bone
567	2283	Elongated Mousterian Point	**9**	Continuous scarring, step and hinge terminations,	Very bright domed polish	Cutting	Hard	Wood, hard

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
571	2284	Retouched flake	**9**	Rounding on base, snapped tip and worn down, some limited hinge scars along tip, striations horizontal to tip	Bright, domed	Drilling	Soft-medium	Wood, soft
573	2284	Side scraper	**9**	Rounding along all edges, isolated hinge scars	Very bright, domed	Scraping/ debarking	Soft-medium	Wood, soft
580	2303	Elongated Mousterian Point	**9**	Edge rounding along thin edge, very limited feather scarring.	Bright greasy, grainy	Scraping	Soft-medium	Hide, fresh
687	2284	Elongated Mousterian Point	**9**	Small continuous feather scars, larger isolated hinge scars, edge rounding.	Limited but bright and greasy	Cutting	Soft-Medium	Meat and bone
203	1523	Denticulate	**10**	Striations horizontal to worked edge, feather and hinge scars	Bright, greasy	Cutting	Soft-Medium	Meat and bone
379	1924	Burin	**10**	Snap fracture across tip, large step scars, heavy degree of rounding	Limited, dull, pitted	Drilling	Hard	Bone, dry
406	1924	Unretouched blade	**10**	Isolated feather and hinge terminations, some rounding	Very bright, domed	Cutting	Soft-medium	Wood, soft

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
408	1933	Side scraper	**10**	Hinge and feather scars, significant edge rounding	Dull, matt, grainy	Scraping	Medium	Hide, dry
421	1924	Mousterian Point	**10**	Striations running parallel to edge, continuous hinge and step scars some edge rounding.	Bright, widespread domed	Cutting	Soft-medium	Wood, soft
459	1935	Unretouched flake	**10**	Striations horizontal to worked edge, large step scars	Dull, pitted	Cutting	Hard	Bone, dry
583	2307	Side scraper	**10**	Rounding along all edges, isolated hinge scars	Very bright, domed	Scraping	Soft-medium	Wood, soft
584	2312	Side scraper	**10**	Hinge scars with slightly rounded edges	Very bright, domed	Scraping	Soft-medium	Wood, soft
585	2312	Mousterian Point	**10**	Limited striations parallel to tip, some small step scars, rounding.	Bright domed polish	Scraping	Soft-medium	Wood, soft
586	2312	Cortical flake	**10**	Small, isolated feather and hinge scars	Bright, greasy	Cutting	Soft-medium	Meat and bone
588	2314	Retouched blade	**10**	Hinge and step terminations, some edge rounding	Limited, bright, domed,	Cutting	Hard	Wood, hard
593	2326	Elongated Mousterian Point	**11**	Larg hinge and step Scars with limited rounding	N/A	Cutting	Hard	Bone, dry

Specimen ID	Context	Type	Level	Wear	Polish	Action	Hardness	Material
602	2340	Mousterian Point	**12**	Large hinge and step Scars with limited rounding	Bright greasy polish, pitted	Drilling	Hard	Bone
857	2560	Side scraper	**12**	Rounding, limited feather terminations	Bright greasy, grainy	Scraping,	Soft-medium	Hide, fresh
870	2518	Mousterian Point	**12**	Continuous scarring with smaller hinge and step terminations, slight rounding	Bright domed polish	Scraping	Medium	Wood, soft
878	2512	Mousterian Point	**12**	Striations at 90 degrees to edge, deep hinge and step scars	N/A	Scraping	Hard	Wood, hard
900	2545	Informal tool	**12**	Feather and hinge scars. Striations horizontal to worked edge,	Bright, greasy	Cutting	Soft-Medium	Meat and bone
901	2560	Side scraper	**12**	Rounding, limited feather terminations	Bright greasy, grainy	Scraping,	Soft-medium	Hide, fresh
906	2560	Side scraper	**12**	Large, deep hinge and step scars, rounding, striations at 90 degrees to edge	Bright, domed polish	Scraping	Hard	Wood, hard

Appendix 4: Shanidar Lithic Assemblage Residue data

Specimen ID	Context	Level	Type	Residue
488	-	**1**	Side scraper	Manganese
489	-	**1**	Cortical flake	Ochre
319	629	**2**	Retouched blade	Manganese in linear band, ochre
58	518	**3**	End scraper	Ochre
62	748	**3**	Retouched blade	Ochre
106	1037	**3**	Side scraper	Ochre
107	1043	**3**	Retouched point	Manganese
109	1034	**3**	Burin	Ochre
112	1037	**3**	End scraper	Ochre
131	1043	**3**	Informal tool	Ochre
874	2538	**3**	Retouched point	Ochre
141i	568	**3**	Unretouched point	Ochre
141k	1037	**3**	Burin	Globular residue
19b	537	**4**	Retouched bladelet	Manganese in linear band
148	537	**4**	Retouched bladelet	Ochre
163	1400	**4**	Unretouched point	Manganese
170	1433	**4**	Unretouched point	Manganese
297	560	**4**	End scraper	Ochre
299	1653	**4**	Mousterian point	Manganese

Specimen ID	Context	Level	Type	Residue
330	1609	**4**	Side scraper	Manganese
873	2530	**4**	Retouched bladelet	Ochre
908	2530	**4**	Retouched bladelet	Manganese
39	750	**5**	Retouched bladelet	Globular residue
46	708	**5**	Retouched point	Ochre
64	748	**5**	Retouched bladelet	Manganese
115	1118	**5**	Retouched bladelet	Manganese
116	1213	**5**	Retouched bladelet	Manganese, ochre
165	1369	**5**	Elongated Mousterian point	Manganese, ochre
167	1410	**5**	Elongated Mousterian point	Ochre
255	1325	**5**	Retouched flake	Manganese
298	632	**5**	Retouched bladelet	Ochre
317	1638	**5**	Mousterian point	Manganese
480	2125	**5**	Side scraper	Manganese
402	1852	**6**	Unretouched flake	Manganese
403	1845	**6**	End scraper	Ochre
407	1868	**6**	Side scraper	Manganese, ochre
410	1823	**6**	Unretouched bladelet	Ochre
419	1816	**6**	Retouched blade	Manganese, ochre
467	1845	**6**	Retouched blade	Manganese
470	1861	**6**	Side scraper	Ochre

Specimen ID	Context	Level	Type	Residue
479	1876	**6**	Mousterian point	Manganese, ochre
481	2043	**6**	Elongated Mousterian point	Manganese
482	2041	**6**	Retouched blade	Manganese in linear band, ochre
555	2263	**7**	Mousterian point	Manganese
222	1507	**9**	Mousterian point	Manganese
566	2283	**9**	Mousterian point	Ochre
567	2283	**9**	Elongated Mousterian point	Ochre
571	2284	**9**	Retouched flake	Ochre
580	2303	**9**	Elongated Mousterian point	Manganese
687	2284	**9**	Elongated Mousterian point	Ochre
379	1924	**10**	Burin	Ochre
406	1924	**10**	Unretouched blade	Ochre
408	1933	**10**	Side scraper	Manganese in linear band
585	2312	**10**	Mousterian point	Globular residue
602	2340	**12**	Mousterian point	Manganese
857	2560	**12**	Side scraper	Ochre
870	2518	**12**	Mousterian point	Globular residue
878	2512	**12**	Mousterian point	Manganese, ochre
906	2560	**12**	Side scraper	Ochre

Appendix 5: HCl cleaning results

Specimen ID	Context	Level	Type	Wear	Residue
1	-	4	Cortical flake	Bone, dry	-
3	-	4	Cortical flake	Wood, soft	-
52	545	5	Retouched blade	Wood, hard	-
55	802	5	Side scraper	Wood, hard	-
63	748	5	Retouched blade	Wood, soft	-
64	748	5	Retouched bladelet	Meat and bone	Manganese
111	1107	3	Retouched blade	Bone	-
115	1118	5	Retouched bladelet	Plant fibres	Manganese
132	1125	5	Mousterian Point	Meat and bone	-
147	1458	4	Retouched point	Wood, soft	-
149	1438	4	Retouched blade	Wood, soft	-
163	1400	4	Unretouched point	Hide, fresh	Manganese
165	1369	5	Elongated Mousterian point	Bone	Manganese
170	1433	4	Unretouched point	Hide, dry	Manganese
222	1507	9	Mousterian point	Meat and bone	Manganese
255	1325	5	Retouched flake	Meat and bone	Manganese
299	1653	4	Mousterian point	Hide	Manganese
316	1648	5	Mousterian point	-	-
317	1638	5	Mousterian point	**Horn***	Manganese
323	1628	3	Mousterian point	-	-
330	1609	4	Side scraper	Plant fibres	Manganese
335	581	4	Retouched blade	Wood, soft	-

Specimen ID	Context	Level	Type	Wear	Residue
389	1845	6	Burin	Hide	-
400	1836	5	Denticulate	Bone, dry	-
402	1852	6	Unretouched flake	Wood, hard	Manganese
412	1914	5	Crested blade	Wood, hard	-
421	1924	10	Mousterian point	Wood, soft	-
459	1935	10	Unretouched flake	Bone, dry	-
467	1845	6	Retouched blade	Meat and bone	Manganese
480	2125	5	Side scraper	Hide, fresh	Manganese
481	2043	6	Elongated Mousterian point	Wood, hard	Manganese
488	-	1	Side scraper	Hide, fresh	Manganese
555	2263	7	Mousterian point	Wood, hard	Manganese
560	2278	9	Mousterian point	Bone	-
573	2284	9	Side scraper	Wood, soft	-
580	2303	9	Elongated Mousterian point	Hide, fresh	Manganese
583	2307	10	Side scraper	Wood, soft	-
584	2312	10	Side scraper	Wood, soft	-
588	2314	10	Retouched blade	Wood, hard	-
593	2326	11	Elongated Mousterian point	Bone, dry	-
602	2340	12	Mousterian point	Bone	Manganese
701	2257	7	Mousterian point	-	-
780	2539	12	Mousterian point	-	-
820D	2555	12	Mousterian point	-	-
820G	2555	12	Mousterian point	-	-
899	2604	12	Mousterian point	-	-

Specimen ID	Context	Level	Type	Wear	Residue
916	2539	12	Mousterian point	-	-
908	2530	4	Retouched bladelet	Wood, soft	-

**Following cleaning protocols discussed in section 4.4.1, interpretation of lithic 317 was changed from a wood working tool to a horn working tool.*