

19 Detailed results of the microwear analysis of lithic artefacts by *K Hardy*

Artefact no	Trench	Square	Context	Raw Material	Type	Size L W Th	Edge Angle	Observations	Interpretation	Illustrated
cat:817	1	B3 se	08	Chalcedonic silica	Flake	26×25×9	Inner platform edge: 83°	No fractures or polish around any outer edge. Strong, thin line of polish along inner platform edge (A) with parallel linear features of polish and small number of flake fractures.	Linear features and the fact that polish extends along edge suggests a longitudinal motion. Line of polish is thin, suggesting a non pliable worked material. Not many fractures, suggesting not very hard worked material, possibly wood or soaked antler. Most likely use was smoothing a shallow groove.	Yes
cat:818	1	B3 se	08	Chalcedonic silica	Flake	24×23×10	Right edge 45°	No edge damage.	Appears unused	
cat:822	1	B3 se	08	Bloodstone	Flake	17×26×5	Right edge 33°	Right side has flake and snap fractures along half its length (proximal) and may be artificially straight (A). Edge broken from half way up (B) as is distal tip (C). Fractures continue along part of distal edge (D). Inner platform edge, on dorsal side has many flake fractures (E). No polish detected.	Appears well used.	Yes
cat:823	1	B3 se	08	Bloodstone	Blade	23×10×5	Left edge 33°	No edge damage.	Appears unused.	
cat:824	1	B3 se	08	Bloodstone	Blade	29×11×4	Right edge 32°	No edge damage	Appears unused	
cat:827	1	B3 se	08	Bloodstone	Blade	11×7×2	Left edge 23°	No edge damage	Appears unused.	
cat:828	1	B3 se	08	Chalcedonic silica	Blade	16×9×2	Left edge 24°	No edge damage	Appears unused.	
cat:829	1	B3 se	08	Chalcedonic silica	Blade	14×9×2	Left edge 34°	Area of polish on proximal ventral surface. Away from the edge so not consistent with use. No edge fractures.	Appears unused.	
cat:868	1	C2 ne	08	Chalcedonic silica	Flake	27×15×8	Right edge: 63°	Spots of polish lie in a line across middle ventral surface terminating in large area of well developed, horizontally striated, polish at the right proximal corner.	Rubbed or has moved at some point, Corner used.	
cat:903	1	B3 sw	08	Bloodstone	Blade	18×8×3	Right edge: 26°	No edge damage	Appears unused.	
cat:1243	1	B3 nw	08	Chalcedonic silica	Chunk	20×26×13	Proximal right edge: 63°	A point at proximal right corner is heavily step fractured.	Probably used in a stabbing action.	

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cat:1246.	1	B3 nw	08	Chalcedonic silica	Flake	24.5×14×4	Left edge: 38°.	Top of distal tip is snapped off. Small tip at proximal may have been artificially created.	Tip broken possibly during use. No other evidence of use.	
cat:1250	1	B3 nw	08	Bloodstone	Flake	23×17×15	Left edge: 57°.	Left and right sides are well fractured. No traces of polish.	Both sides used.	
cat:1252	1	B3 nw	08	Bloodstone	Flake	23×16×7	Left edge: 57°.	Fracture at distal point but no other edge damage.	Possibly used.	
cat:1253	1	B3 nw	08	Baked mudstone	Flake	33×16×4	Left edge: 37°.	No edge damage	Appears unused.	
cat:1256	1	B3 nw	08	Chalcedonic silica	Flake	16×24×4	Right edge: 30°.	No edge damage	Appears unused.	
cat:1257	1	B3 nw	08	Chalcedonic silica	Flake	33×24×6	Right edge: 30°.	A small distal tip has been enhanced, end has snapped off. No damage on either side, apart from small area of snap fractures on proximal left side. Areas of polish on distal surface are likely to be modern.	Appears unused or broken during use.	
cat:1259	1	B3 nw	08	Chalcedonic silica	Flake	17×19×7	Left edge: 36°.	No edge damage	Appears unused.	
cat:1262	1	B1 se	10	Chalcedonic silica	Blade	22×17×4	Right edge: 21°.	No edge damage	Appears unused.	
cat:1265	1	B1 se	10	Chalcedonic silica	Flake	25×39×8	Left edge: 47°.	Polish and flake fracture are present at point of percussion possibly related to knapping process. Area of polish near ventral, distal edge with opposing small flakes on the dorsal side. No other evidence for use of this edge.	Unclear but appears unused	
cat:1341	1	B3 ne	08	Bloodstone	Flake	15×17×7	Left edge: 31°.	No edge damage	Appears unused.	
cat:1343	1	B3 ne	08	Bloodstone	Chunk	19×18×14	Left edge: 74°.	No edge damage	Appears unused.	
cat:1347	1	B3 ne	08	Quartz	Flake	14×8×2	Left edge: 23°.	Snap fractures on all edges. Distal point has been fractured.	Thinness of this piece suggests fractures are due to damage rather than use.	
cat:1351	1	B3 ne	08	Chalcedonic silica	Flake	21×20×5	Left edge: 27°.	No edge damage	Appears unused.	
cat:1352	1	B3 ne	08	Chalcedonic silica	Flake	18×18×4	Right edge: 50°.	Right and right distal edges are fractured and rounded.	Damage suggests light use.	
cat:1358	1	B3 ne	08	Bloodstone	Flake	28×18×16	Right distal edge: 31°.	Snap fractures on all edges. Right distal tip has snapped off. Right distal edge is rounded in profile and artificially straight. No polish.	Right side used at distal end.	

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cat:1359	1	B3 ne	08	Bloodstone	Flake	19×17×4	Left edge: 32°.	Distal and left distal edges have many snap fractures and are rounded. A point at left distal is blunt and rounded. Left distal edge is artificially straight. No polish on edges but polish visible along ridges on the surface.	Damage suggests use at distal. Surface polish may result from post-depositional movement or been caused during use, by being handled or carried around.	
cat:1360	1	B3 ne	08	Bloodstone	Flake	24×21×8	Right distal edge: 31°.	Small area of edge damage on right distal tip, inconsistent in texture and unlikely to be related to use. No other damage.	Appears unused.	
cat:1361	1	B3 ne	08	Bloodstone	Flake	26×25×10	Right distal: 37°.	Left distal tip smoothed and blunted with many flake and snap fractures.	Damage suggests use.	
cat:1362	1	B3 ne	08	Bloodstone	Flake	22×17×6	Right edge: 52°.	No edge damage	Appears unused.	
cat:1364	1	B3 ne	08	Bloodstone	Blade	11×9×2	Left edge: 25°.	No edge damage	Appears unused	
cat:1365	1	B3 ne	08	Baked mudstone	Blade	15×9×4	Right edge 34°.Left edge: 51°.	Snap fractures and rounding on both sides.	Damage suggests use.	
cat:1366	1	B3 ne	08	Baked mudstone	Blade	27×10×3	Left edge: 30°.	Small number of snap fractures along left side which is otherwise fresh.	Little used or not used at all.	
cat:1367	1	B3 ne	08	Chalcedonic silica	Blade	11×7×2	Left edge: 22°.	Numerous snap fractures along both sides which are otherwise fresh.	No evidence of use, the snap fractures may be the result of post-depositional or post-excavation movement	
cat:1368	1	B3 ne	08	Chalcedonic silica	Blade	10×9×2	Right edge: 27°.	Snap and flake fractures on right side.	As this blade is very thin, any use would quickly lead to wear. Appears unused.	
cat:1372	1	B3 ne	08	Baked mudstone	Retouched flake	23×14×5	Left edge: 43°.	No edge damage	Appears unused.	
cat:1434	1	B1 nw	01	Bloodstone	Retouched flake (scraper)	18×15×6	Right edge: 53°.Scraper edge: 78°.	Step fractures on right side which is slightly rounded. Distal tip is fractured and smoothed and has a spot of polish adjacent. Two areas of step fracturing present opposite each other half way up both sides. Distal scraper edge has a very light line of polish along its ventral surface.	Damage on tip and scraper edge suggest use.	
cat:1438	1	B3 sw	08	Chalcedonic silica	Flake	19×17×7	Left edge: 41o.	No edge damage	Appears unused.	
cat:1439	1	B3 sw	08	Chalcedonic silica	Flake	22×17×8	Left edge: 61°.	No edge damage	Appears unused.	
cat:1441	1	B3 sw	08	Chalcedonic silica	Blade	27×13×3	Right edge: 30°.	Small number of snap fractures along both sides. Polish present on prominent places on dorsal surface.	Both sides are fresh, suggesting use, if any, was light. Polish suggests movement or scratching.	

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cat:1442	1	B3 sw	08	Chalcedonic silica	Blade	25×15×8	Right edge: 54°.	Small amount of irregular edge damage: snap fractures along its one sharp edge. No edge rounding.	No evidence of use, snap fractures may be the result of post-depositional or post-excavation movement	
cat:1503	1	B1 ne	13	Bloodstone	Flake	35×20×8	Left distal: 60°.	Left distal edge is shaped to a point (A). Numerous flake and step fractures along edge(B) running up to point and on dorsal ridge which runs down to point (C). Area B is artificially straight. Small pockets of polish present on both edges near the tip.	Tip used probably in a rotational way.	Yes
cat:1504	1	B1 ne	13	Bloodstone	Blade	21×7×4	Left edge: 32°.	Some irregular snap and flake fractures along edges.	No evidence of use, snap fractures may be the result of post-depositional or post-excavation movement.	
cat:1505	1	B1 ne	13	Bloodstone	Blade	13×13×5	Left edge: 47°.	Small area of flake and snap fracturing on left side at proximal end.	Little used or unused.	
cat:1601	1	B3 sw	08	Chalcedonic silica	Flake	31×25×8	Left edge: 40°.	No edge damage	Appears unused.	
cat:1607	1	C2 ne	08	Chalcedonic silica	Flake	20×20×7	Left edge: 51°.	Left side has many flake and snap fractures, but is not rounded. Right (ventral) side has small number of fractures and polish with horizontal striations.	Damage on right ventral side suggests use.	
cat:1620	1	B1 se	10	Bloodstone	Retouched blade	9×7×4.5	Left edge: 37°.	Small number of irregular snap fractures along all edges.	No evidence of use, snap fractures may be the result of post-depositional or post-excavation movement.	
cat:1823	1	B1 se	10	Bloodstone	Flake	11×16×3	Distal; 56°.	Right distal edge is heavily step fractured.	Distal edge appears used in a percussive motion.	
cat:1840	1	B1 ne	13	Chalcedonic silica	Microlith, fine point	18×5×3	Point: 35°.	Left side is retouched. Neither side shows any damage. Both ends have fractured, the distal one (A) is blunted while the proximal end is partially fractured (B).	Blunting at distal could have happened during projectile use.	Yes
cat:1841	1	B1 ne	13	Chalcedonic silica	Microlith, rod (broken)	10×4×2	Both sides retouched, tip broken.	No edge damage	Appears unused, or broken during use.	
cat:1842	1	B1 ne	13	Chalcedonic silica	Flake(scraper resharpening)	9×5×3	Distal; 35°.	No damage except a few snap fractures along distal edge. Damage may have occurred while still part of a scraper edge.	Appears unused.	
cat:1845	1	B1 nw	05	Bloodstone	Microlith, backed bladelet(broken).	10×3×1	Unretouched side; 23°.	Small area of multidirectional scratches on lower ventral surface. Right edge has light polish and some large fractures.	Damage on a small area on the right side suggests use. May have broken during use.	

Artefact no	Trench	Square	Context	Raw Material	Type	Size L W Th	Edge Angle	Observations	Interpretation	Illustrated
cat:1846	TPX: 02		02	Chalcedonic silica	Microlith, backed bladelet (broken).	11×3×2	Unretouched side; 35°.	Two small areas of polish, one on dorsal and one on ventral surface. Polish on ventral contains scratches. Neither polished area seem related to use and the unretouched edge is still sharp.	Polish may be the result of movement, May have broken during use, no other evidence for use.	
cat:1847	TPX: 02		02	Bloodstone	Flake	17×14×4	Right edge; 46°.	Right distal has many snap fractures.	Appears unused.	
cat:1849	1	B3 se	08	Chalcedonic silica	Obliquely blunted point	22×11×6	40°.	Both ventral and dorsal surfaces have polish and scratches about one third of the way along. One polished area on ventral contains scratches parallel to polish line. Below this, area of polish with multidirectional scratches. Otherwise fresh.	May have been moved or hafted. Any use must have been light as it left no visible traces. Scratching and polishing very localized, unlikely to be use related.	
cat:1850	1	C2 se	08	Chalcedonic Silica	Blade	28×13×4	Left edge: 32°.	Substantial fracturing on left and right sides. Left side is lightly rounded. Small pockets of polish on ventral surface.	Light use. Refits with cat:1852.	
cat:1851	1	B3 sw	08	Chalcedonic silica	Retouched flake (scraper)	56×54×21	81°.	Small number of polish spots dotted over ventral surface. Small area of polish on ventral, distal edge.	Appears to have moved little since deposition. No traces of use.	
cat:1852	1	C2 se	08	Chalcedonic silica	Blade	14×13×4	Right edge: 51°; Left edge: 39°.	Right side (A) has substantial fracturing and a thin line of polish at distal tip (B). Also lightly rounded. Dorsal surface has a large scratch (D), possibly related to excavation. Left side has many fractures and lightly rounded edge (C). Horizontally snapped, edge damage on both sides continues up to snap.	Used, possibly broken during or after use. Refits with cat:1850.	Yes
cat:1853	1	B1 se	03	Chalcedonic silica	Core	24×40×30	72°.	Only partly examined due to size. Two tiny scratches otherwise no traces of damage.	Appears unused.	
cat:1854	TPX		02	Chalcedonic silica	Blade	33×21×5	Right edge 42°.	Both sides heavily fractured with flake and snap fractures. At left distal, polished area with scratches perpendicular to edge. Small area of polish half way up right side and small pockets of polish across ventral surface. Left edge slightly rounded.	Polished areas not related to use. Both sides possibly used. Fractures and surface polish suggest movement.	
cat:1855	1	C2 ne	08	Chalcedonic silica	Obliquely blunted point	15×9×2	58°.	No edge damage	Appears unused.	
cat:1859	1	C2 ne	08	Bloodstone	Flake	17×30×7	Left distal edge: 46°.	Left distal has thin line of polish and is snapped at tip. Polish continues up to snap. Polish on dorsal is probably modern.	Damage suggests light use.	