

**TABLE OF CULTURAL FEATURES AND SITES**

Number	Location	Type	Discussion
MV1	South bank of Dunn's creek  UTM 55-6-946-39 H 60-756-32	Hole in ground Remnant chimney hearth. Stone artefact	McAlister's "pub" c. 1887. Hole at "pub" location is of uncertain use – possible cellar or well. Size of hole is 5.2-6.4m in diameter and 2m deep at the centre. Broken glass sherds, whole "Lamonts Patent" bottle, tobacco tin lid, coke, small piece of white wash, some concrete lining remains on wall of hole. Stone chimney hearth, a stone line possibly delineating room or hut. A small secondary flake of fine grained ashstone, 12x20mm brown in colour, was found on edge of hole. (see P52-54).
MV2	Southeast wall of hole. On south bank of Dunn's Creek.	Stone artefact scatter - 2 pieces	McAlister's "pub" – White Quartz  Retouched Flake 27 x 22mm -embedded in wall 17 cm below surface.  Core – 28 x 10 mm –pebble cortex present.
MV3	South bank of Dunn's creek, near fence and 53 paces NE of McAlister's hole.	Stone artefact scatter European crockery scatter	White Quartz 3 x cores, 2 x flakes and detritus/source material found in eroded creek bank. Some crockery sherds (two different patterns) found in same area.
MV4	Dunn's Creek west along fence from MV3.	Possible chimney base	Concrete and pebble base near two plum trees, hawthorn and briars.
MV5	Rock outcrop west along fence from MV4. Approx 10m from south creek bank.	Stone artefact scatter (2 pieces)	Hammer stone (7.2 x 4.5mm)– water-worn sandstone type material. Impact pitting.  Quartz core – 21 x 10 mm. Hammer stone and core in close association.
MV6	9 paces east of MV5. Approx 10m from south creek bank.	Retouched quartz flake	Found on sheep track about 9 paces south of fence line. Flake – 15 x 10mm.
MV7	At double gate at corner of Paddock to the NE of house.	Dense stone artefact scatter	Sandy soil disturbed and exposed by car traffic and stock through gate. Artefacts scatter covers 22 x 24.5m area. Cores, flakes, retouched flake, hammer stone. Most dense in gateway. Sheltered from wind (lies in lee of ridge and knoll). 55 artefacts on surface – various highly siliceous volcanic rock– including ashstone/ignimbrite, breccia type, cryptocrystoline, Rhyolite (pink), vein quartz (iron stained). 100+ metres from creek/soak. (see diagram 1-2 and P5,7,40,41)

MV7.1	<p>Below house in dry soak area</p> <p>a) UTM 55-6-948-44 H 60-763-32 &amp;</p> <p>b) UTM 55-6-948-45 H 60-763-69</p> <p>At gate NE of house between house and soak area</p> <p>c) UTM 55-6-946-83 H 60-763-21 &amp;</p> <p>d) UTM 55-6-946-54 H 60-762-86.</p>	Scarred Trees River cobble	<p>a) Blakely's Red Gum – mature (&gt;200yrs), good condition, 2 scars on north face of tree. Scar 1 - 600mm above ground, 1.5m x 240mm; scar 2 – 600mm above ground, 1.35m x 90mm, regrowth over 66% (open in centre). (see P42)</p> <p>b) Blakely's Red Gum – mature (&gt;300yrs), 2.4m across base, remnant woodland tree. Remnant habitat tree. (See P5).</p> <p>c) Large old gnarled tree at gate, 2m across base of tree, small scar 1.8m from base to ground on south face (185mm long, 70mm wide, 65mm deep on left side and 115mm deep on right side, tear shaped)– spiritually significant “curse tree” as confirmed at site visit by Don and Ruth Bell. (see P44)</p> <p>d) Scarred tree several metres to south of “curse tree” on other side of driveway track (&gt;300yrs) 2.4m across base of tree, 3 trunks, Double scar on north face - 600mm from base to ground, 140mm wide, die-back width 200mm, 180mm deep. (see P43)</p> <p>Grey river cobble 74 x 37mm with evidence of abrasion lines and hammering, found about 20m from gate along driveway track, east of “curse” tree.</p>
MV7.2	Fence line 36 paces west of MV7 UTM 55-6-949-87 H 60-764-30	Source rock material	Found on north fence line NE of MV7.1 and west of MV7.1. Piece of quartz (150mm x 100mm x 80mm) with inclusions of grey very fine grained, siliceous material suitable for artefacts.
MV8	SE corner of “Railway Paddock” – on the north side of the fence from MV7 (part of the same site) UTM 55-6-950-14 H 60- 764-51.	Stone artefact scatter	<p>Area of 100 x 100m on N-NW facing gentle slope rising towards railway at base of hill and ridge. Very sandy soil containing dry watercourse on SE corner of paddock. Sheltered in lee of ridges on west side of property and set on a small ridge (or watershed) between two water ephemeral water courses. (currently 60% visibility, 100% in some places). (see P35, 38)</p> <p>Artefacts –dense scatters in disturbed sandy soil along east and south fence lines includes flakes, cores, detritus and source material, river cobble hammer stones. Density varies from 12 artefacts/m<sup>2</sup>- 1-2/m<sup>2</sup> and is thickest on top of ridge and where fence lines have disturbed soil. Rhyolite or Dacite, Ignimbrite, quartz vein. (See P39 &amp; diagram 3-7)</p> <p>Suitable trees for source of bark for camp fires located at north fence of paddock (Apple box and yellow box).</p>
MV8.1	North side of “railway paddock” 7m from fence and approx. 35m from NE corner.	Stone artefact	Split river cobble

MV8.2	East end of "railway paddock" UTM 55-6-950-20 H 60-765-43	Scarred tree	Men's lookout tree Blakely's Red Gum - outlook to Mt Tenant and Booroomba Rocks, tree leans to the west. Scar 1 on west face, 250mm deep in parts, 750mm long, 130mm wide, 700mm from ground. Scar 2 on east face, 150mm deep to wound mark from surface, 2m long, 700mm from ground, scar completely closed up. (see P35).
MV8.3	Outcrop at middle of "railway paddock" UTM 55-6-948-92 H 60-765-14	Burial site	Semi circle of rocks set among natural rock outcrop on SW facing slope.  Burial site (marked by curved lines of stones on rock outcrop) confirmed during site visit by Don and Ruth Bell. (see P48).  (currently 80% visibility)
MV9			
MV10	NE corner of property.	Ancient flood plain and soak – food source.	Good view eastward across paleo-channel and alluvial erosion from top of ridge at MV10.1. Valley floor leads up to saddle crossing of ridge separating Melrose Valley and Jerrabomberra Creek Valley – used as historical pathway (and probably older) from Tuggeranong Valley to Queanbeyan meeting places. (see P6)
MV10.1	NW corner of paddock east of MV8. UTM 55-6-950-38 H 60-765-67	Scarred tree	In ephemeral watercourse and on top of low ridge dividing MV8 from main valley floor. Fallen dead tree. Bark removed from base and circular hole cut in trunk, some other small scars on trunk. Spiritually significant (women's place) confirmed during site visit by Don and Ruth Bell. (See P36-37).
MV10.2	Dam in centre of paddock UTM 55-6-950-01 H 60-765-82	Stone artefact Scatter Silage pit (for holding fodder) Hand-made bricks	Scatter disturbed by dam wall. NE aspect of knoll facing Dunn's Creek.  Includes broken grind stone/hammer stone with flakes removed 105.9 x 91.7mm – dark grey, fine grained; flake 43 x 19.4mm (fine grain siliceous grey quartz) ; primary flake/core, quartz scatter (southern end of dam wall).  Silage pit exposed green fine grained and grey rock source. Two hand - compressed bricks found at east end of erosion gully near dam.
MV10.3	North side of railway fence- railway cutting near MV10.1	River cobbles Railway survey mark	Possible palaeo-watercourse/ railway material. Could be source of cobbles found in MV8. East of cobble site is survey marker – conical in shape "TP←R ⊥ 30".  Boiler tank (ship's tank) located as culvert under railway line east of survey mark.

MV10.4	South side of railway fence line (south side of railway line) UTM 55-6-954-81 H 60-764-11	Capital Territory border-marker. Rock outcrops Silage pit Long distance views of Booroomba Rocks	<p>Area in northern end of open flood plain sheltered by surrounding ridges.</p> <p>South side of fence line:</p> <p>Timber survey marker - rectangular with pyramid shape top. "CT" and Government arrow "↑" carved into sides. Another similar marker is located down track on the long bend in the railway line at the north east corner of the property. (see P55)</p> <p>Long open views south to Booroomba Rocks. (see P7)</p> <p>Rock outcrops of eroding tuff and conglomerate material – possible source of pebble artefacts found on other parts of <i>Melrose Valley</i>- eg. MV39). (See P19)</p> <p>Boulder near fence is example of pebbly Tuff containing mudstone, sandstone and some very angular siliceous pebbles. This is similar to material found in the railway cutting nearby and rock outcrops and silage pit in the immediate area.</p>
MV10.5	North side of railway fence (south side of railway line) UTM 55-6-955-12 H 60-764-17	Stone artefact scatter Railway cutting River cobbles	<p>North side of fence (in railway easement:</p> <p>The railway cutting confirms that volcanic flows of rhyodasitic ignimbrite are interbedded with tuff and some conglomerate material.</p> <p>This area (like a number along the railway easement) has a moderate density of river cobbles and pebbles of mixed material.</p> <p>Artefact scatter quartz flakes and a core of grey-brown fine grained siliceous ashstone 40 x 29 x 22mm.</p>
MV11	Eastern side of valley, adjacent to railway line UTM 55-6-951-97 H 60-759-66	Owen's house site Stone artefact scatter Possible Aboriginal campsite Scarred tree	<p>c. 1850s. Remnant Stone flooring, bricks, stone hearths, household detritis including bottleneck, hand shears, marmite jar, crockery and glass sherds, cast iron door "Wiards patent No.2" square house stump – slab. (see P56-58).</p> <p>Mature European trees including Monterey Pines, Elms, Hawthorns, and a native Kurrajong. Scar on tree just SW of elm tree and close to stone floor (scar closed at top open at bottom and ends just above ground level) ground built up around base of tree ; a few quartz flakes in area. Singular stone artefacts in area including core and broken cobble hammer stone, quartz core? found slightly north of site in flat open area. Found 3 white quartz pieces about 150 m south of Owen's site amongst trees on south slopes of rocky knolls. Note: crockery sherd found about 100m down slight slope from house site, towards Dunn's Creek.</p>

MV12	Paddock west of "railway paddock" (MV8)	Scarred tree, remnant vegetation (food source) Singular stone artefact European domestic debris	Birthing tree – as confirmed by Don and Ruth Bell during site visit. (P32).  Aboriginal grindstone (broken), hand-made brick, sherd of purple glass.
MV13	Fire place (with memorial plaque placed by current rural leasee) near McAlister's cutting. UTM-55-6-942-75 H-60-749-24	Railway fettlers' camp site. Stone artefact Square indentation in ground	1884-1886 on top of knoll  Large hearth and remnant chimney (reconstructed in part), glass and crockery sherds including (chamber dish pieces) around hearth and across slope on west side of hearth. (see P60-63, 67).  Numerous remnant hearths in immediate area and to the north and south of the site.  Core of Grey/brown fine grained ashstone. (See diagram 8)  Square indentation in ground approx. 28 paces to west of border marker (about the size of a ship's tank).
MV14	East of MV13 on railway fence line. UTM-55-6-943-92 H-60-749-37	Capital Territory marker Stone artefact scatter Glass sherds	Border marker - timber rectangular post with pyramid shaped top. Marked with "CT" and Government arrow. (see P59)  Scatter includes quartz and grey river cobble hammerstone – flaked, quartz retouched core tool, (See diagram 9) sandstone wedge or chopper? – some flaking on edge and possible ground edge. Glass sherds were found in the same place as the stone artefacts.
MV14.1	East of MV13 on railway fence line.	Railway fettler's camp hearths	Remnant chimney and hearth in area of dense trees and nettles south of marker.
MV15	On railway fence north of border marker UTM-55-6-944-80 H-60-751-44	Stone hearth and remnant chimney European debris Stone artefacts found on other side of railway line east of site (requires survey)	Flattened area in front of chimney and adjacent on south side.  Debris includes glass, crockery, tin, bone, ash, nail, broken insulators.
MV16	9 paces to north of MV15 UTM-55-6-944-79 H-60-751-51	Hearth site European debris	Stone rubble Ash, bone, charcoal.
MV17	NW of MV13 on other side eroded track/gully on slope of knoll. UTM-55-6-943-49 H-60-750-31	Hearth site	Stone rubble

MV18	NW of MV13 on other side eroded track/gully on slope of knoll. UTM-55-6-943-32 H-60-750-35	Hearth site	
MV19	Rabbit burrows north of MV18	Poison bottle	
MV20	10 paces NW of MV13	Sherds of glass and crockery	Collected and cached.
MV21	24 paces W of MV13 (down slope) marked by tree stump UTM-55-6-942-26 H 60-749-53	Sherds of glass	Collected and cached
MV22	7 paces to north of MV21	Scarred tree Hearth	Possible toe holds up high in trunk of dead large gum, fireplace at base.
MV23	27 paces west of MV21 (down slope)	Sherds of glass, ham tin, etc	Collected and cached
MV24	NW of MV23 on eroded gully/track south bank UTM-55-4-942-28 H 60-749-92	Glass sherd Stone artefacts x2	Glass bottle base  Vein Quartz core and retouched flake. (See diagram 10)
MV25	Other side of gully from MV24	Possible spring	Formed circular indentation – eroded sides on up hill and raised bank on down hillside. – Probably formed from stock movements.
MV26	NW (up slope) from MV25 UTM-55-6-941-80 H-60-750-35	Single stone artefact	White fine grained volcanic Core 36 x 51mm. Very sheltered from wind.
MV27	Top of knoll on west of heavily treed area at top of hill UTM-55-6-939-71 H-60-752-18	Stone artefact scatter	Sparse scatter, includes green/grey fine grain ashstone flake, quartz flake (in ant nest), backed blade (grey, fine grain ashstone). Hearth near tree at top of knoll, remnant vegetation.
MV28	Top of knoll and south of MV27	Stone artefact	Anvil – approx 93mm x 124mm, waxy coating, pitting on flat areas, very smoothly worn flat river cobble. Found in clear break in rocky ground-sheltered by top of knoll. Site overlooks suburb of Theodore and Tuggeranong Creek.
MV29	gully banks up hill of its junction with Dunn's Creek UTM-6-940-61 H-60-754-38	Stone artefact scatter	Found in erosion gully – artefacts washed down from gentle slopes. This area is a micro-environment typically found along south bank of Dunn's creek –mid to lower contours of a knoll (occasionally found in a flat area at top of knoll sheltered by a ridge line), medium-gentle gradient crescent shape sloping towards creek or gully, north easterly aspect, sheltered, spring present, remnant woodland grassland.  Artefacts - white quartz retouched flake approx 11.5 x 6.5mm, white quartz secondary flake 20 x 10.5mm, 40 x 26.5mm grey medium grained secondary flake. Small quartz flakes scattered over flat areas along gully banks.

MV29.1	Rocky knoll west of MV29	Remnant grassy woodland vegetation habitat – dense in Forbs, Lilies, Orchids, sedges, brushes, grasses of various types.	<p>Sheltered sense of place – microenvironment centred on knoll.</p> <p>Plants initially identified growing among the rocks include</p> <p>Swainsona sp. (recta?)</p> <p>Convovulus (native geranium) (traditional Aboriginal food source and medicinal values)</p> <p>Native flax –Linum marginale (Forb),</p> <p>Bluebell – Wahlenbergia communis (Forb),</p> <p>Early Nancy – Wurmbea dioica (Lily),</p> <p>Billy Buttons – Craspedia variabilis (Forb),</p> <p>Tea Tree – Leptospernum continentale.</p>
MV30	About 1/3 way up northern slope of knoll facing Dunn's creek. UTM-55-6-940-20 H-60-753-29	Stone artefact scatter	<p>New microenvironment, northerly aspect fronting south bank of Dunn's creek, west of MV29. Single white quartz flake found in creek bank 38.5 x 26.5mm. Short lush grass, rushes, hawthorns, dark alluvial layer on top of quartz light coloured sediment. Finches, flycatchers present in knoll area. (see appendix iii)</p> <p>Artefact scatters at intervals (MV 30,31) up treed slope of knoll to site MV28.</p> <p>MV30 artefacts being exposed as topsoil is being washed down hill, also found around base of trees where soil is collecting. Material consist of fine grained volcanic and fine grained ashstone. (See diagram12)</p> <p>Note: one piece of hematite 25 x 29mm exhibiting several impact marks was found in the scatter (probably part of the Collinton Volcanics that is exposed in McAlister's cutting). No other samples have been seen.</p>
MV31	27 paces up hill from MV30 in erosion trail.	Stone artefact scatter	<p>Found in erosion trail. Secondary flake, core and retouched flake types. Materials include fine grained ashstone, quartz, courser ashstone, fine grained siliceous.</p> <p>(See diagram 13)</p>

MV32	West of MV 30 UTM-6-939-82 H-60-754-54	Stone artefact scatter Stone Dam	Northerly aspect, crescent shaped microenvironment fronting south bank Dunn's Creek. Majority of sample is pebble cores with cortex still present and few flakes removed. Material includes Rhyolite/Dacite, Ignimbrite. Note: red artefact material is courser than MV39 type, perhaps ignimbrite/ashstone but too badly stained by iron to tell. (See diagram 14 & P10)  Dam built across eroded creek, exposed bedrock (better geological description of rock and conglomerate). Excellent location for mapping formation processes of Dunn's Creek valley. Eastern Long-Necked Tortoise.
MV33	West of MV32 UTM-55-6-938-91 -60-754-03	Stone artefact scatter	Another crescent shaped microenvironment fronting south bank Dunn's Creek. Fine grained grey/cream siliceous ashstone. (See diagram 15).
MV34	Northern side of Dunn's creek – at intersection of two saddles, towards top of ridge. UTM –55-6-936-74 H-60-755-62	Stone artefact scatter	Large volcanic siliceous material hammer stone approx 129 x 88mm – pitting on end on one side.  Core fine grained brown material approx 76 x 53mm. Site is on the edge of a larger area – artefacts moving down hill.
MV35	UTM –55-6-936-69 H-60-755-42	Hammer stone	Near top of ridge, on saddle, south of MV34. Good view up U shaped gully of Dunn's Creek and its leading into main valley floor – (old moist zone and good food source). Also view down creek towards Tuggeranong Creek.  Part of a larger area – hammer stone river worn 57 x 61mm, siliceous ash material, heavily use worn around edges, moving down hill beyond MV36. (see P50).
MV36	N E aspect of saddle near top ridge. UTM-55-6-936-75 H-60-755-42	Knapping floor	Sheltered by top of ridge from south and westerly winds. Rocky area of quartz rich material including scattered primary/secondary flakes and cores, some retouched flakes. Flakes and cores are showing from beneath surface in some areas. One instance of knapping of multiple flakes (19 flakes in 20cm <sup>2</sup> area) from grey/white fine grained material. Eucalyptus Nortonii near top of ridge. (see P31).
MV 37	On top of ridge in saddle above erosion gully UTM-55-6-936-18 H 60-755-93	Stone artefact Scatter	On small exposed rock area. Retouched flake 21 x 12.5mm – brown fine grain, 35 x 22.5mm-cream core, white quartz flakes and core.
MV38	Northward along ridge toward Trig station. UTM –55-6-936-31 H 60-756-71	Stone artefact scatter	Found in flattish area on slope. Pebble tool, broken river cobbles 71 x 80mm; core fine-grained dark brown and white silica material; secondary flake red/brown extremely fine grained siliceous ash. Extensive views of Booroomba Rocks and ranges to W and NW.



MV38.1	Top of Melrose Hill Including spur to east	360° views Remnant vegetation	360° views from top of hill near Trig. Station. Habitat of large mature Blakely's Red Gum tree ( <i>Eucalyptus Blakelyi</i> ) at top of hill. A large gnarled Blakely's Red Gum stands on the top of the spur to the east of the Trig. station. They all measure 2-4m diameter at base. (see P3)
MV39.1	100-150m from entrance road – following power line easement. UTM –55-6-934-80 H 60-760-92	Rock outcrops	Material similar to that found as artefacts elsewhere – creamy mottled material.
MV39	Rock outcrops on ridge running parallel to Monaro Highway, in erosion area. UTM –55-6-936-20 H 60-758-63	Veins of siltstone and ashstone– Stone artefact scatter	Red-purple fine grained siltstone exposed by erosion. One core found at this location 21 x 23mm. More red-purple material found 50 paces south of location scattered about a rock outcropping. A scatter of flakes and cores of slightly more siliceous red fine grained, grey fine grained, and quartz material in a 1x3m area. Veins or layers of extremely fine grained siliceous ashstone interbedded with rhyodacitic ignimbrite found in rock outcrops down slope.  Note: A backed blade of fine grained grey siliceous material found about 45 paces uphill from MV39 on a flat built up area of rock and soil above the erosion area.
MV40	Central area of rock outcrops at MV39 UTM –55-6-935-31 H-60-756-60	Piece of rock containing Quartz crystals	Piece of volcanic rock with an internal cavity containing quartz crystals 38 x 23mm. Importance to Aboriginal Dreaming in SE Australia (Howitt).
MV41	On saddle south along ridge from MV39 close to survey peg at MV36 site. UTM55-6-936-15 H-60-755-78	Stone artefact scatter	Found in an eroded patch. Quartz flake scatter, large piece of hollow rock containing quartz crystals approx 106 x 115mm and smaller piece similar size to MV40.
MV42	Rock outcrop on western side of saddle from MV36. UTM –55-6-936-08 H-60-755-17	Stone artefact scatter	Moderately dense approx 10-20/sq m scattered over rock outcrop (perhaps rocks used as anvil). Quartz flakes. Includes fine grain black/grey backed blade and dark red thumbnail scraper (retouched flake 11 x 14mm). Sites MV36-MV42 don't extend more than approx 20m beyond either side of top of ridge.
MV42.1	Just north of survey peg 237 at top of ridge above MV36- west of fence line. UTM –55-6-936-24 H-60-7505-76	Stone artefact scatter Semi- circle of stones.	Scatter covers whole saddle but density of artefacts increases nearer to top of ridge nearest MV36. Northerly and NWW aspects. Found piece of quartz crystal rock near survey peg.  Semi circle of stones on top of saddle.  Charcoal.  Core of black/grey material used in knapping at MV36 Backed blade of same material approx 12 x 30.5mm. White quartz core. Area is opposite Theodore axe grinding grooves.

MV43	Diagonal transect downhill across contours between MV36 and MV44 UTM -55-6-935-40 H-60-755-88	Stone artefact scatter	Quartz flakes, grey very fine grained siliceous material secondary flake, grey/black large secondary flake, large secondary flake.
MV44.1	Erosion gully near double gate at bottom of hill on east side of fence (corner of paddock under powerlines) UTM-55-6-934-97 H-60-756-13	Stone artefact scatter	Density approx 1-2/sq m. Scatter follows eroded watercourse towards Tuggeranong Creek and opposite Theodore axe grinding grooves. Artefact numbers thin out as distance increases from watercourse. Includes white quartz flakes, grey fine grained core, black fine grained core, core 34 x 36mm light grey fine grain ashstone. Westerly aspect, lower contours of Melrose Hill.  Site could overlap ANUTECH site TV13.
MV44.2	Scatter continued from MV44.1 on west side of fence. UTM 55-6-934-29 H 60-756-70	Stone artefact scatter Vein of dark red volcanic ashstone source material Knapping floor	Found in eroded water course scattered amongst outcrop of volcanic rock. One outcrop has a vein of dark red fine grained ashstone. A dense scatter (10 flakes in 150mm <sup>2</sup> area) of small flakes of this material was found about a meter from the source. A scatter of 35 flakes were found in an 5x5m area surrounding this. The general scatter included 3 flakes of clear quartz and one flake/core of cream coloured silcrete (similar appearance to material found at Reidsdale). Colours included green, red, grey and white. (See P49,51)  Site could overlap ANUTECH site TV13.
MV45	On flatter east slopes of Tuggeranong Creek UTM-55-6-934-33 H-60-756-13	Hammer stone/anvil	107 x 113mm. Pitting on flat side, flakes removed. (see P30).  Westerly aspect. A lot of disturbance by rip-ploughing associated with tree planting project. No artefacts found closer to Dunn's creek junction with Tuggeranong Creek.  Site could overlap ANUTECH site TV12 & 13.
MV46	UTM-55-6-933-41 H-60-756-82	Stone artefact scatter	On watercourse north of MV45. ANUTECH site.  Site could overlap ANUTECH site TV13.

MV47	Rocky spur north of second eroded watercourse north of MV45) and south of "Brennan's house").  UTM-55-6-933-14 H-60-757-63	Stone artefact scatter	Directly east of the Theodore axe grinding grooves. Small ridge of rocky knolls and saddles running north to south about 130m from Tuggeranong Creek. Large Yellow Box on top of northern end of ridge. Scatter is generally across the top and on the upper east and west slopes with areas increased density. About 90% visibility. 42 artefacts found in an area 40x 60m. Within that is a scatter of 16 artefacts in area of 16m <sup>2</sup> . Artefacts include secondary flake, 35x35mm, silicious red siltstone; retouched flake, 27x30mm, grey fine grained ashstone; core, 35x41mm, white quartz; secondary flake, 29x17mm, white, fine grained ashstone; flake/core, 15x30mm, grey, fine grained ashstone; core, 50x40mm, brown-grey fine grained ashstone. Colours include grey, cream, red, white, grey/white. (see P49)  Site could overlap ANUTECH site TV13.
MV47.1	On the Monaro Highway south of Johnson Drive where the highway crosses the Tuggeranong Creek adjacent to the west boundary of Melrose Valley.	House and 40 acre leasehold Scarred Tree	Small rural cottage, post WWII design, with corrugated iron roof and fibro cladding. Almost surrounded by a mass of Poplars, Hawthorns, Willows and Ash trees. Old Red Box Gum outside front yard of house is scarred near base and has toe hold scars and nails along trunk. It has several nesting hollows in the branches. The house was referred to as "Brennan's house" by local historian Bert Sheedy, perhaps because of its close proximity to the original house owned and occupied by Brennan from the 1860s till about 1915. This earlier house was located only a few hundred metres down stream along the Tuggeranong Creek where the old Monaro Highway crosses it and was acquired by the Commonwealth about the same time as Tuggeranong Homestead.  Scarred tree located south of house between road and property fence about 50-60m south of Tuggeranong Creek and bridge. Red Box with four trunks and 2m across base. Scar is 1.2m long, 150mm wide, 150mm deep regrowth. Tuggeranong Creek erosion channel is about 7m deep near this point.
MV48	Old Tuggeranong Road near gate into <i>Melrose Valley</i>	Stone outcrops on road side.	Volcanic siliceous.
MV49	Railway fence line NE of Owen's house site. Near 337 marker on railway line. UTM 55-6-954-66 H 60-761-22	Owen's well site Stone artefact scatter	Bricks lining east wall at top of spring, slightly circular. Briar roses at site, Sleeper lying across hole, dam to west of run-off from well site. Rock outcrop south of marker 337 – quartz core, primary flake 70 x 91.3mm grey fine grain ashstone type, quartz river cobble. Cobbles found in general area from here to Owen's place (MV11).
MV50	East side of dam near Dunn's Creek on north side of tenants cottage complex. Area east of soak at MV7.1. UTM 55-6-950-01 H 60-762-03	Stone artefact	Quartz primary flake off river cobble includes large area of cortex.  MV50 is situated at the down hill southern end of the soak that runs north-south in MV10 paddock

MV51	West side of dam (west of site MV50). Area east of soak at MV7.1. UTM 55-6-949-53 H60-762-12	Stone artefact scatter	Flakes including dark grey, fine grained, cortex present, secondary flake 60 x 39mm;  River cobble hammer stone 89.6 x 199mm, some flakes have been removed;  flake cores.  MV51 is situated at the down hill southern end of the soak that runs north-south in MV10 paddock.
MV52	Tuggeranong Creek at SW corner of property boundary. Approx 30 paces from south fence boundary and 25 paces from west fence boundary. UTM 55-6-932-87 H 60-748-98	Stone artefacts 2 x grinding grooves	Broken cobble core flaked on two faces 49 x 39mm, quartz flake 18 x13mm. Situated on rock outcrop approx. 2-2.5m above creek bed on west bank at a natural stairway down to rock outcrops in creek bed. Two grinding grooves located on exposed rock in water channel directly at base of stairway. Striations visible in bottom of grooves. Rock has been well weathered by water - silicious volcanic, very hard, granite in appearance. Vegetation includes tea tree, bull rushes, sedge, briar roses. A lot of large bush spiders. (see P11, 45-47).
MV53.1	About 100m east of creek, 22 paces from south fence boundary of property. 1) UTM 55-6-933-66 H 60-749-01	Stone artefact	1 artefact in 6 x 6m square – secondary flake with use wear on edge, fine grained, black/grey material 26 x 25.4mm.
MV53.2	About 100m east of creek, 22 paces from south fence boundary of property. UTM 55-6-933-33 H 60-748-91	Stone artefact scatter Groupings of stones (possible hearths?)	3 artefacts in 6 x 6m square – flake from cutting face of edge ground axe, fine striations visible on smooth ground face, use wear on edge, dark grey, fine grained grey material. 12 x 28.5mm; core fine grained, brown 25 x 33mm; secondary flake grey/black, fine grained 20 x 23mm.  One piece of white quartz crystal 11 x 6.7mm similar to that found on saddle at MV41.  Situated in a circular area approx 60m <sup>2</sup> , gently sloping toward north and west, mid contour of slope northerly aspect. Views over hills and knolls of <i>Melrose Valley</i> and surrounds. Linked to ridge that runs northwards to saddle at site MV36. Scattered around area were some groups of stones that had a similar semi circular pattern that could be the remains of hearths or something similar perhaps. MV53-55 area is sheltered from the worst of the westerly winds by the ridge of the Rob Roy Range.
MV54	Corner of paddock approx. 50m east of MV53.  Approx. 100-150m from Tuggeranong Creek	Large Scribbly Gum bearing cultural scars. Old fence posts and wire.	Fence wire and hardwood posts, well-weathered showing considerable age. Fence runs north-south and intersects south boundary fence of similar condition.  2 x scars approx. 10-15cm in size on trunk of tree about 1-1.5m above ground. Tree is 2m across base. They have visible axe marks and are partly covered by regrowth, but of recent historic times. Possible toe holds to a good sitting spot in fork of branches.

MV55	<p>Top and eastern slope of saddle between rocky knoll and the base of Enchanted Hill.          UTM 55-6-935-46          H 60-747-59          Approx. 150-200m from Tuggeranong Creek.</p>	<p>Stone artefact scatter          Long distance views</p>	<p>Saddle appears to be almost part of a crossroad of saddles and spurs between Tuggeranong and Jerrabomberra Creek corridors. It drops dramatically to the east into Rocky Gully. Good views to Tidbinbilla, Bullen and Brindabella Ranges, Camel Back, Mt. Coree, Mt. Taylor, Tuggeranong Hill, saddle of Rob Roy Range. Approx. 40 artefacts in saddle area 150 x 15-20m – varying density of 3-5/m<sup>2</sup>. Most artefacts found on or just above and below an eroding vehicular track (pre current leaseholder's time) on north and easterly aspect of eastern slope. They are washing down the slope. Artefacts include retouched flake, 25 x 14.5mm, milky cream and olive green siliceous dacite; quartz core and 6 quartz flakes; secondary flake, 23 x 35.7mm, grey and white striped fine grain; secondary flake core, 60 x 65mm, grey with white veins, siliceous dacite?, some black surface particles, almost horse-hoof in type; core, 26 x 30mm, light grey fine grained volcanic with white ovular inclusions; core, 57 x 31mm, dark red fine grained, secondary flake, 33 x 28.5mm, cream and brown striped, fine grained siliceous; primary flake, 29 x 17.5mm medium grained dark grey; retouched flake, white quartz, 22.3 x 13.3mm, possible hammer stone, medium grained silicious, brown approx.40mm diameter; core, 12 x 18mm, grey and white streaks, fine grained siliceous; retouched flake 12 x 11.4mm, red fine grained.</p>
MV56	<p>Rocky knoll on northern end of saddle (MV55)          UTM 6-935-44          H 60-748-92          Approx. 150-200m from Tuggeranong Creek.</p>	<p>Stand of large scribbly gums,          Stone artefact scatter          circle of stones and gravel mound          Long distance views</p>	<p>360° views, including top of Mt Painter showing over a ridge in distance.</p> <p>No cultural scars noticed on trees. 1 tree &gt;2m across base, 1 tree &gt; 1m across base, 2 box gums, large native cherry. Can see roof of <i>Melrose Valley</i> house on similar contour. From this position able to appreciate the notion of median contour linking saddles across the valley. On north side of knoll near top, is a circle of stones outlining an indentation in the ground. The circle is approx. .75m across the circle and 2m including possible outer rocks - a possible hearth or some other marker? Gravel/stone mound that is nearby warrants further investigation as its description is similar to that of Hong Yong's grave site. Total of 3 quartz flakes and cores found over entire knoll top. (see P16).</p>
MV57	<p>Area of eroded vehicle track NE down slope from MV56 about 25-30m from top.          UTM 55-6-934-93          H 60-749-55</p>	<p>Stone artefact scatter          Vehicular track</p>	<p>Approx. 20 artefacts/15m x 1m section of track. Including retouched flake, flake ashstone type, 47 x 24.5mm, quartz flake, 23 x 13mm. Track visible from MV38.1.</p>
MV58	<p>North of rocky knoll (MV56)          50-100m from Tuggeranong creek.          UTM 55-6-934-72          H 60-751-10</p>	<p>Stone artefact scatter</p>	<p>Circular, sloping area, NW aspect, 6 artefacts in 20m<sup>2</sup>. Secondary flake core, 26 x 29mm, siliceous fine grained material, cream/ grey mottled dacitic; secondary flake, 42 x 24mm, light green/grey fine grained; white quartz retouched flake, 19 x 12mm; white quartz flake, 21 x 12mm; Flake, cream/white, fine grained siliceous dacitic, 23 x 29mm.</p>

MV59	On old fence line running east west direction. About 100-200m south of confluence of Tuggeranong Creek and Dunn's Creek. UTM 55-6-934-99 H 60-752-07	Stone artefact scatter Sandstone outcrop with quartz intrusion.	Found under large red gum and yellow box trees (1-1.5m across base) in an area with topical water erosion that is moving top soil and carrying artefacts down gentle gradient of a north facing slope. 12 artefacts in an area of 8m <sup>2</sup> including quartz flakes and pieces. Retouched flake, 43 x 29.5mm, light coloured, fine grained; Retouched flake, cortex on back, 47.5 x 51mm, grey/ black, medium grained. Sandstone outcrop (containing quartz vein) located just on north side of scatter. Note: 7 quartz flakes on a line between MV58 and MV59.
MV60	20m east of sandstone outcrop at (MV59). UTM 55-6-935-27 H 60-752-25	Scarred tree	Blakely's red gum located about 20m NE of artefact scatter (MV59) has a closed scar (30 x 44cm) near base on east side of tree. Feral Raspberry located at base of tree. Also native sorrel in area.
MV61	On south boundary fence. Approx 100 paces east of gate on top of ridge. UTM 55-6-935-92 H 60-746-28	Dense stone artefact scatter	Possible knapping floor on spur leading up to Enchanted Hill. Found in an area of eroding vehicle or stock track under group of Peppermint gums. It covers area from fence to about 8 m north of fence and extends approx 35m along fence. Within this area there are groups of artefacts – a) 2 flake cores, 1 quartz flake; b) 8 flakes red/brown fine grained volcanic, c) 12 artefacts in 25m <sup>2</sup> including 4 secondary flakes: d) red/brown flake with use wear; e) broken hammerstone. a) and c) are washing down the slope. Materials include fine grained siliceous ashstone, fine grained porphyry, fine grained volcanic, quartz sandstone. (See diagram 16-17)
MV62	70 paces to east of MV61 along south boundary fence line. UTM55-6-936-44 H 60-745-97	Stone artefact	Hammerstone/chopper 93 x 64mm – use wear pitting long edges. Found eroding out of track about 9m out from fence. (see P29)
MV62.1	Approx. 80m west of railway fence and 35m north of south boundary fence.	Stone artefact	Core. Exposed location on spur to Enchanted Hill – flatter area on spur before last ascent to top of hill – open view of Tuggeranong valley. Very windy close to eastern boundary fence (railway fence).
MV63	Railway fence line UTM 55-6-937-82 H 60-745-19	Territory border marker	Timber rectangular with pyramid shaped top. Marked with "CT" and Government arrow.  A line of stones extends from the post 1.2m on either side, parallel to the railway fence. Level with elevation of railway line.
MV64	Railway fence line, north of MV 63. UTM 55-6-938-40 H 60-745-75	Territory border survey peg.	1½ inch water pipe with a square bolt in the centre of it and a line of stones extending 1.4m on either side of it. It runs parallel to the railway line fence. A good known measure and indicator of soil erosion and build-up around a line of stones that were placed over 90 years ago. Stand of brittle gums near the marker. Indications of copicing on the trees.

MV65	On spur heading up towards Rocky Gully. UTM 55-6-938-66 H 60-746-64	Circle of stones Formed track or road (railway era)	Circle of stones approx 1m across. In a very sheltered location in a treed slightly sloping area. Near the end of an old formed road that comes from the direction of the main railway camp and winds around the slope of the hill to this point. Possibly an area of railway activity – ideal for sheltering horses and drays during railway work. A railway cutting just east and above this location is reminiscent of Arthur Streeton and Tom Roberts style landscape paintings of Australian bushland and rock cuttings. Found one quartz flake in entire area. Stand of large Brittle Gums near road cutting. (see P8,12,63)  Note: track is visible on aerial survey photo Australian Capital Territory 155/16 Run 14 8307-8334 10/4/68.
MV66	Top and upper slopes of two rocky knolls joined by saddle. UTM 55-6-933-25 H 60-763-80	Open 180° view of layout of main features of the Tuggeranong Valley and beyond to the main Dividing Range.	View extends from Mt Tennant to Mount Ainslie and Majura with all major landmarks between. Can see ranges to west of Canberra including a peak of the Main Range. Visited on a very hot day – the tops of the knolls were shaded by large trees and the area open to cooling breezes. It was noticeably much cooler than on low flatter areas at bottom of knoll suggesting that it is a site with summer useage. (see P2)
MV66.1	Top of northern knoll UTM 55-6-933-92 H 60-763-78	Scarred tree ("Possum" tree)	A foot-hold and access hole are cut into the trunk about 1.2-1.5m above the ground. A metal spike has been hammered into the trunk higher up which indicates historical activity. The spike is a typical trademark of possum hunting and nests robbing activity that was known to occur in the area in the early 1960s. Old toehold scars suggest that the tree may have been a food resource for Aboriginal people prior to and during historic activity. (see P25-26)
MV66.2	Top of northern knoll UTM 55-6-933-80 H 60-763-23	Stone circles. Scarred trees Stone wall	Ridge runs north – south.  There are some stone circles (about 1m diameter) on upper slope of the northern knoll (8 possibly more). Possible meeting circles – look similar to ones near Oaks Estate. The slope has a northern aspect and the circles are located above a stone wall and camp site of recent times. However, they may be the result of gathering stones from the area for the stone wall nearby. The circles are adjacent to and on the eastern side of a low spreading Apple Box tree and the "possum" tree of MV66.1 and about 15 paces west of a survey peg (TG 218). Scarred tree is located adjacent to the survey peg. Scar is on east side of tree. There is a fallen dead tree with a possible scar (about 1-1.2m long) on trunk just south of survey peg. There is another pile of stones in a line or terrace (hearth shape) placed among natural rocky area on NW slope of knoll near a large Brittle gum (1.5m across base). (see P23)

MV66.3	Top of northern knoll - About 10m north of fence to south of survey peg TG 218)	Scarred tree	The tree is dead and has axe marks in a foothold on underside of tree trunk. Older footholds don't have axe marks showing. There is a large open scar on the north side of the trunk 1.4m x 250cm.
MV66.4	Top of southern knoll near native Cherry Tree UTM 55-6-933-83 H 60-762-76	Stone artefact	Broken anvil/grind stone – use wear including grinding marks visible on one side and indentation on other 170 x 95mm. Found wedged in a rocky area on western aspect about 1.5m below top elevation under a native cherry tree. (see P28)
MV66.5	South knoll between Cherry tree and along top of saddle northwards toward fence.	Stone artefact scatter	5 artefacts – Two secondary flakes – dark brown/red fine grain volcanic 32 x 20mm; white quartz flake core 21 x 15mm; white quartz secondary flake 15 x 10mm found halfway along saddle about 20m down from top on west slope; 2 x white quartz pieces with small crystal forms found at fence on top of saddle; 1 quartz white secondary flake 11 x 10mm, 1 retouched white quartz flake 12 x 10mm found about 10m south of fence on top of saddle.
MV66.6	South knoll 26 paces east of Cherry tree at MV66.4)	Stone hearth Glass sherd	Piece of glass bottle – has turned amethyst blue colour. Found slightly down SE slope away from stone hearth.
MV66.7	North knoll SE of 66.3 about 6 paces north of fence.	Stone artefact	Broken grindstone/hammerstone. Some flakes removed. (see P27)
MV67	Spur west of MV66.1 median contour below top of knoll. A line between UTM 55-6-933-60 H 60-764-92 and  UTM 55-6-933-89 H 60-765-15 and  UTM 55-6-934-28 H 60-764-61	Stone artefact scatter Horse shoe	7 artefacts found on line about 100m in length along the same contour including retouched flakes, secondary flakes, flake core and core. Materials include fine siliceous ashstone, fine grained volcanics, coarser grained volcanic, rhyodacite vein quartz. (See diagram 18)  No artefacts were seen in the area above (except for the top of the knoll) and below this contour for an extensive distance. However, visibility was poor (between 0-20% in most areas, 100% in small patches) due to vegetation cover in open areas and leaf litter under trees. Also found a hand forged horseshoe in this location.
MV68	100-150m south of dam, 14 paces east of fence. UTM 55-6-931-18 H 60-765-53	Scarred tree	Red-box tree – old main branch chopped from near the base. 1.7m from ground to bottom edge of scar that measures 450 x 130mm with heavy regrowth 100-150mm deep.
MV68.1	35-40m north of 68.1	"Pregnant" tree	Yellow-box tree 1m across base. With a "pregnant" bulge about a metre from the ground. Has Aboriginal cultural significance.



MV69	At the spill way end of dam, on west side located in western corner of property. UTM 55-6-930-72 H 60-766-65	Stone artefact scatter Historic gate posts and fence Scarred tree	<p>Disturbance by heavy machinery is evident in the area around the dam. However, a small artefact scatter was found in an eroding track leading to an old gateway and a quartz flake was found against the trunk of a scarred tree located 10m east of fence and just south of gate. Materials include quartz, fine grained volcanic, coarse ashstone, fine grained ashstone. (See diagram 19-20)</p> <p>The tree is a yellow-box that has three scars on it. Two are small dozer scars. There is also an open 1m x 30cm scar with axe marks characteristic of ringbarking visible across the middle of the open area. Regrowth covers the axe marks at either side of the scar that is 6cm deep. The bottom of the scar is .75m from the ground. Aboriginal or possibly a survey mark. There is reference to ringbarking of trees along the old Monaro Highway in the Tuggeranong area in a letter that is dated 1928/9. The old roadway is still evident between the current highway and the fence on the western side of the dam.</p> <p>13 artefacts including white quartz secondary flakes and core; secondary flakes and core of red/brown fine grained volcanic material; and a broken river cobble hammerstone were found in an area of 40m<sup>2</sup>.</p> <p>Two historic gateposts support old steel pipe and wire gates. The posts are the bases of tree trunks that have been shaped into rectangular posts by saw or adz. Fence follows old fence line dividing <i>Melrose Valley</i> from the earlier Tharwa Road and Tuggeranong Road alignments. (see P64).</p> <p>Relatively common "Blue Devil" <i>Eryngium ovium</i> grows near the gate.</p>
MV70	25m NW of gate at MV69	Scarred tree Stone right angle line and semi circle.	<p>Large lightening strike scar 2-3m long with an older scar incorporated. Axe marks visible in open area of scar. About 15m NW along a line between gate at MV69 and scarred tree at MV70 is an area of rocks set in the ground forming a right angle and semi circle – survey mark or Aboriginal origin unknown? (see P33)</p>
MV71	Northern end of the dam at MV69 UTM 55-6-931-50 H 60-766-99	Original section of approach road to Tuggeranong Siding. Metal skip cradles	<p>The road runs in an east – west direction to the edge of the current road easement. Old fences running along either side of the road easement form a laneway. Early rubble road base is evident and is still in good condition. Reference made to the use of this road by Andrew Cunningham and Colonel Butler to travel between the railway siding and the Tuggeranong Homestead. It is shown on the 1912/15 feature map of the Federal Capital Territory and it is visible on 1:25000 Tuggeranong Map 8727-111-s. Two historic skip cradles used for manually lifting loads onto a truck 40-50 years old were found on the side of the old road just north of the dam.</p>

MV72	Near holding pens north of driveway and west of MV7	Pile of old fences Hearth – ring of stones Ex railway gate	<p>Fence posts and wire heaped into a pile – includes posts and wire. (refer photo). Beer bottle base dated 1957 found in area. Yellow –Box 2.5m across base.</p> <p>Hearth ring – one possibly more.</p> <p>Wooden railway gate incorporated into a holding pen</p>
MV73	Between the cutting at western end of siding and the southern Melrose Valley property boundary.	Railway line and easement	Walking north towards siding found a flange-oiler (for lubricating flanges to reduce wear on bends) and an iron half-kilometre post. Points and point-levers still in working condition. (see P66)
MV73.1	Northern property boundary on south side of railway track.	Railway easement around station site and railway siding.	<p>Southern side of railway line has been built up to form ramps and a raised loading-bank platform of soil and rock fill (two levels). Numbers on the wall of the platform indicate distance of 335km 688m from Sydney. There are several culverts running under the filled areas. One track leads to the loading-bank platform while another follows the property fence line. Access is from a gateway from Old Tuggeranong Road. The road forms a level crossing to cross to the north of the tracks and runs to a disused quarry (cream or light tan volcanic material). A copiced Candlebark Gum tree is on the raised loading platform area along with some Tree Lucerne (<i>Chamaecytisus proliferus</i>) typically associated with railway easements. Siding rail ends in a pile of old ash from engines. The ash is used in preference to a rigid barrier to provide a soft stop to rail wagons.</p> <p>Also on the south side of the track are several domestic dumps containing glass bottles and sherds and crockery sherds, metal domestic items such as buckets, meat safe, etc.</p> <p>The Railway Historical Society still work the points at the siding to operate their trains between Kingston, Queanbeyan and Royalla (soon to Michelago). (see P63,68,70,71)</p>

MV73.2	South side of railway track and east of platform area in railway easement	House, sheds and orchard site	<p>Elm suckers cover a flattened square area that appears to have been a garden/orchard containing pear tree, a line of stones, a hand moulded brick, concrete containing river cobbles. Area has been ripped for rabbit burrows along edge of grove. East and adjacent to the orchard site are a row of rectangular soil mounds and channels/drains. Building debris and other domestic refuse are piled or scattered around the area and is typical of 1880s-1920/30s. A channel has been cut through the bulk of the main pile. Items found on the surface includes: glass sherd (bottle) "U693" stamped on base; crockery sherds; glass jar (whole) clear glass, "Chesebrough Manfg. Co. CD. New York 68" stamped on side; hand moulded bricks mortared together (rectangular frog); piece of decorative glass candle holder; window glass sherds; metal meat safe; part of cast iron bed frame, bottle base (AGM); "Aunt Mary's Tomato Sauce" bottle (whole) – clear glass; 1930s cast iron piston top; rectangular bottle base (amethyst colour, AGM); "Clements Tonic" bottle – amber colour, (whole); ceramic teapot in pieces – brown; ceramic teapot lid – cream with green stripe.</p>
MV73.3	North side of track and loading area in railway easement	House and garden/orchard site Stone artefact scatter	<p>Passenger platform has been removed but was probably opposite the loading-bank platform. Orchard trees include Almond, Fig, Apricot, Cherry, Quince, Plum. Briar rose in area. East of orchard is flattened square house and shed site (Almond tree stands on north side of it), and some raised rectangular garden beds and channels. Refuse in area is typical of 1880s–1920s and includes: hand moulded bricks; dressed stone possibly from quarry mentioned in MV73.1 (ex foundations?); railway sleeper post and wire; tin sheet; rectangular sawn house stump; glass sherd (purple); crockery sherds; fence wire; window glass sherds; kerosene tin bucket; white rubber coated 1 inch cable cut into about 12 inch pieces (scattered on raised soil beds?); piece of moulded kitchen sink – green; WWI vintage bullet and shell, dark green bottle base (1800s); hub of sulky wheel – no wood present); concrete piece (bag shaped); 1 sawn timber slab 3 paces long, 320mm wide and 55mm thick – has a hand made metal spike in it. An area earthworks west of orchard consists of built up fill of soil, stone and brick and flattened into a raised loading platform A track is located to the north of this area and follows the easement fence line from the gate near the level crossing. Erosion of this track has exposed area of crockery and glass sherds about 70-80m east of gate. An Aboriginal stone artefact scatter was found amongst the glass and crockery, several patterns. The scatter of 4 flakes covers an area of 2-3mx1m – includes secondary flake, 36x25mm, fine grained cream ashstone/dacite; secondary flake 47x66mm, fine grained cream/green; core, 35x28mm, dark brown fine grained volcanic. (see P24)</p>

MV73.4	In railway easement continuing up slope towards saddle west of MV73.2	Building site Scatter of crockery and glass sherds Aboriginal stone artefacts	<p>Following track along railway easement on north side of railway line towards top of saddle. A cutting has been made into the saddle between the travelling stock reserve and the nature park as part of the railway works. Glass and crockery sherds and Aboriginal stone artefacts are being exposed by water erosion of the track. The items are scattered from the about one quarter of the way down the slope to the bottom. Items include blue/white, brown/white, red/white crockery; crockery ginger beer bottle sherds; amethyst blue glass, purple glass, clear fine vile or vase stem sherd; bone. Six stone artefacts including one pale grey ashstone secondary flake 35x30mm; quartz flakes; found in an area 4mx1m about one quarter of way down slope from top.</p> <p>A white quartz core or chopper 62x75mm was found in area between track and cutting, about half way up slope.</p> <p>At base of slope and adjacent to level crossing is a flattened rectangular area cut into the base of the slope. It appears to be the site of a building and has a line of stones delineating the front of the flatten area.</p>
MV73.5	Railway line at McAlister's cutting (north side of Rocky Gully)	Railway equipment and features	<p>McAlister's cutting - example of cut and fill policy of railway construction. Aim is to balance excavated material with that required for building embankments. Material excavated from cutting used to fill gullies to support rail and avoid having to build a bridge. Sections of rail beside track marked "Barrow steel 1901 sec 503 NSW WG Steel" and "NSW GN Talbot Steel" and "AIS Steel 1947 AS 94lb (1937)". Perway marks either end of cutting - cement with numbers and letters stamped ("CTP RP 16L" and "CTP RP 20L") located on rock at side of track. Road/track cutting crosses track at southern end of cutting and appears to lead to MV13 site and onto Enchanted Hill). (Refer to figure 9 &amp; P13,15,69,18).</p>

MV74	On top edge of the west face of McAlister's cutting, inside property fence line. UTM 55-6-943-26 H 60-746-83	Railway works site including Detritis Capital Territory Border marker Survey marker Hearths Remains of Blacksmith's hearth and work site. Water storage Terracing Curved line of stones Disused track	<p>Immediate area covers about 100mx100m of a west facing rocky slope. Features include the remains of a hearth with an adjacent raised stone platform, 2x2 m ditch delineated by rocks. The ditch has a firm dirt floor and appears to have been used to hold water. Some terracing of the slope has been done using large rocks. There are several small hearths in the area and a curved line of rocks about 3m in length. Items found near the hearths include metal horseshoe, hook, cold chisel, shovel blade, wagon hinge, jaw end of smithy's pliers, wagon hub sleeve embossed with "D Carron"; shovel blade embossed with "Hardy Patent Pick Co. Ltd. LD Sheffield. Hand forged flat sheet and hand formed holes in metal, cut, broken and hammered metal and molten slag, pieces of soap stone suggests blacksmith's activity. Broken pickaxe heads are scattered about (no wooden handles). 19<sup>th</sup> century glass sherds fo brown, green and olive green colours. Wooden Capital Territory border marker with 1.5m line of stones extending north and south from it. A second apparent survey wooden marker (not CT mark) and a line of stones extending north and south adjacent to a cairn of stones.</p> <p>The area has a disused track running across it, about 10m from the platform and ditch. It crosses the gully to the north of the site using a small ford and finishes at the main railway camp at MV13. Another section of the track crosses the railway line at the southern end of McAlister's cutting. (Refer to MV75). (see P73)</p>
MV75	UTM 55-6-943-13 H 60-747-70	Ford Crossing	Ford mentioned in MV74 is located in gully on the northern side of a sandy, very sheltered, treed area at the bottom of the slope from the railway works. The ford is formed by the placement of large rocks and is situated between the main railway camp and the works area – a low ridge separating the two.
MV76	About 70m west of railway fence, between main railway camp at MV13 and Rocky Gully just north of the ford at MV75.	2 large hearths	The hearths are situated in a semicircular basin sloping to the southeast and are to the south and just over a ridge from the main railway camp. The surface of the area has been scraped during blackberry control. Debris from the dozing is still piled in the area. The hearth closest to the gully is found in association with briar roses and 19 <sup>th</sup> century glass & bottle. The hearth closer to the top of the ridge is large enough to have been part of a hut site. It was found in association with 19 <sup>th</sup> century bottle bases indicating wine/beer, sauce/vinegar types, crockery sherds, metal strap, spike, broken pick head, beer bottle base c1950s, early style sardine tins with lead solder.

MV77	Line between railway fence on east boundary of property at northern end of McAlister's crossing and railway fence at northern boundary of property bearing 8°NE.	Transect (Refer to MV77.1-77.16)	Rationale was to walk a line 10 paces wide that crossed most typical terrain types that exist on the property including a range of watercourses and erosion gullies. The line crossed contours to counter any bias in random sampling caused by predictability of site location and ease of access. Visibility generally varied between 50% and 100% with one area of 0%-20%. Drought affected open forest-grassland to treed rocky knolls, slopes and gullies. Both natural and cultural materials and features were noted.
MV77.1	Gate where fence on north side of MV13 abuts railway fence.	Starting point of transect	Metal pipe and wire gate.0
MV77.2	Near MV15 hearth	Glass sherd	Bottle base 19 <sup>th</sup> century, brown.
MV77.3	North of MV15	Detritus	Bull dozed pile of farm debris containing glass and crockery sherds.
MV77.4	UTM 55-6-945-72 H 60-752-32	Abandoned quarry/earthworks Ford/causeway	Open scar in hillside of exposed volcanic rock. Heavy erosion is cutting into what may be the remains of an earth and rock formed loading platform. The remains of a track and ford/causeway crosses the adjacent gully and ends the rock scar. It approaches the site from the northeast.
MV77.5	UTM 55-6-945-83 H60-753-52	Remnant Vegetation	An eroded gully forms a microenvironment of remnant Savannah Woodland opening onto grassland. The site contains a mature Yellow Box Gum measuring 3.5m across the base. (See P20)
MV77.6	UTM 55-6-946-61 H 60-754-71	Corrugated water tank	Marked "special order Tuggeranong". Lying in paddock.
MV77.7	Fenced tree planting area north of MV77.6	Stone artefacts Erosion Channel of Monk's Creek	Two quartz flakes. One quartz flake found 10m north of tree planting.  Erosion channel of Monks Creek exhibits exposed paleo-channel 1.5m below ground level. Also indicates change in course of creek channel. Soil on northern bank is rich in organic material.
MV77.8	9-13m north of tree planting fence.	Glass sherd Hand pressed brick Button metal	Ploughed paddock showing plough furrows. Glass sherd is amethyst blue bottle base.
MV77.9	Approx. 60m north of tree planting fence.	Brick	Hand-pressed sandstock brick.
MV77.10	Fence East/west alignment.	Old fence	Old fence line including railway sleeper posts and wooden uprights.
MV77.11	15m north of MV 77.10.	Erosion works	Earth works redirecting water flow across paddock.
MV77.12	Beside large Yellow Box Gum	Stone Artefact	Small quartz flake – type mounted in spear or saw. Found in sheep track, otherwise 0%-20% visibility. Yellow Box Gum is a broad spreading canopy.

MV77.13	South of Dunn's Creek channel.	Dam	PVC overflow pipe. Rock material in dam wall includes Quartz and green siliceous volcanic material.
MV77.14	Dunn's Creek	Creek Channel Erosion control measures	Erosion channel is approx. 12m deep at this location. One wire and stone wall and one brick wall have been built across the channel. Blakely's Red Gum 1-1.5m across base with a bee hive in possible cultural scar.
MV77.15	Area listed as MV10	Dam (associated with MV10.2)	No artefacts found on line between Dunn's Creek and Dam. Note: passed MV50 on left outside of transect parameter. Four old fence posts standing in centre of paddock.
MV77.16	Northern boundary fence. UTM 55-6-951-70 H 60-765-86	Finishing point of transect.	Post and wire fence and railway easement.
MV78	Junction of Dunn's Creek and Tuggeranong Creek. UTM 55-6-934-38 H 60-753-08	Stone artefact scatter (Refer to 78.1-78.4)	50x5m strip skirting top edge of bank. Eroded channel is 7-8m deep Northerly aspect.. Separate areas of dense scatters mainly exposed by erosion within the general area. Probably overlaps ANUTECH site TV7.
MV78.1	See MV78 On Tuggeranong Creek side of junction	Stone artefact scatter	7 artefacts in 4m <sup>2</sup> area. Secondary flakes of grey quartz, white quartz and siliceous ashstone. Colours include red, grey, cream, dark grey.
MV78.2	See MV78 Tuggeranong Creek side of junction	Stone artefact scatter	4 artefacts in 4m <sup>2</sup> area. Secondary flakes of grey, red, dark brown siliceous ashstone and white quartz.
MV78.3	See MV78 Tuggeranong Creek side of junction	Stone artefact scatter	40 artefacts in 20m <sup>2</sup> area of an erosion shelf. Includes 25 secondary flakes and 3 cores of white quartz, 4 flakes and 1 flake/Core of grey fine grained siliceous ashstone, 5 secondary flakes red fine grained siliceous ashstone, 1secondary flake green/grey fine grained siliceous ashstone, 1 secondary flake of orange fine grained siliceous ashstone.
MV78.4	See MV78 On Dunn's Creek side of junction.	Stone artefact scatter	In a 2x4m strip of eroded bank. 1 broken river cobble with hammering use wear. Secondary flakes and cores of fine grained siliceous ashstone including 5 red flakes, 1red core, 9 quartz flakes, 1 quartz core, 1 black flake, 1 rough amber pebble, 1 quartz /crystalline core, 1 green flake, 1 brown flake, 1 pink weatherworn flake, 1 river worn triangular grey rock.
MV79.1	70m south from junction of Dunn's Creek and Tuggeranong Creek and 30m north from MV59 UTM55-6-934-59 H60-752-57	Scarred Tree Hammer stone Stone circle	Area of approx. 100m <sup>2</sup> includes sandstone outcrops, 1 river-worn brown hammer stone 160mmx90mm.

MV79.2	70m south from junction of Dunn's Creek and Tuggeranong Creek and 30m north from MV59 UTM 55-6-934-98 H 60-752-36	Stone artefact	Core green fine grained siliceous ashstone 46x46mm.
MV80	End of fenced laneway south of house. UTM 55-6-947-01 H 60-757-25	Railway gates used in stock yards.	Railway gates used in stock yards at southern end of laneway. One of the lane way fences is an historic fence line. (see P72)



TABLE OF DATA - COMBINED ABORIGINAL AND HISTORICAL SURVEY - DISTRIBUTION																					
Melrose Valley Site No.	Artefact or Feature Type																				
	Primary Flake	Secondary Flake	Flake Core	Core	Retouched Flake	Hammerstone	Grindstone/Anvil	source material/detritis	Scarred or culturally significant Tree	Stone Placement	Vista	Remnant Vegetation	Grinding Grooves	Historic Fence line /material	Hearth	Structure- Whole/Remains, imprint	Domestic, Rural, Road, Rail Earthworks	Survey Marks or Pegs	E1otic Plants	Farm/Domestic Tools & Equipment, and refuse	Railway equipment
1															1	1					
2				1	1																
3		1		1																	
4															1	1			1		
5				1		1															
6					1																
7		1	1	1	1	1															
7.1						1		1				1									
7.2								1													
8				1		1															
8.1						1															
8.2									1			1									
8.3										1											
9																					
10.1									1			1									
10.2		1	1			1		?									1				
10.3								?										1			
10.4		1		1				?			1						1	1			
11		1		1		1									1	1			1	1	
12							1		1			1									
13				1											1						
14				1	1		1										1	1			
14.1															1				1		
15															1	1					1
16															1						1
17															1						
18															1						
19																					
20																					
21																					
22									1			1			1						
23																					
24				1	1																
25																	?				
26				1																	
27		1	1		1							1			1						
28							1														
29		1			1							1									
29.1												1									
30		1	1	1								1				1					
31		1	1	1	1																
32		1	1	1	1																
33		1	1	1	1																
34				1		1															
35						1															
36		1		1	1																
37		1		1	1																
38		1		1		1															
38.1										1	1										
39		1		1	1			1													

TABLE OF DATA - COMBINED ABORIGINAL AND HISTORICAL SURVEY - DISTRIBUTION																					
Melrose Valley Site No.	Artefact or Feature Type																				
	Primary Flake	Secondary Flake	Flake Core	Core	Retouched Flake	Hammerstone	Grindstone/Anvil	source material/detritus	Scarred or culturally significant Tree	Stone Placement	Vista	Remnant Vegetation	Grinding Grooves	Historic Fence line /material	Hearth	Structure- Whole/Remains, imprint	Domestic, Rural, Road, Rail Earthworks	Survey Marks or Pegs	E1otic Plants	Farm/Domestic Tools & Equipment, and refuse	Railway equipment
40																					
41		1																			
42		1			1																
42.1			1		1					1		1						1			
43		1																			
44.1		1		1																	
44.2		1						1													
45						1															
46		1																			
47		1	1	1	1																
47.1								1				1				1			1	1	
48																					
49	1			1													1				
50	1																				
51		1	1			1															
52		1		1								1	1								
53.1		1																			
53.2	1	1		1											1						
54								1				1		1							
55	1	1	1	1	1	1				1											
56		1		1						1	1	1									
57		1			1												1				
58		1	1		1																
59		1			1						1										
60								1				1									
61		1	1	1	1	1	1									1					
62	1					1															
62.1				1																	
63																				1	
64										1		1								1	
65		1										1			1		1				
66											1	1									
66.1								1													
66.2								1	1								1				
66.3								1													
66.4										1											
66.5		1	1		1																
66.6															1						
66.7						1															
67		1	1	1	1																
68								1				1									
68.1								1				1									
69		1		1		1		1				1		1			1	?			
70								1	1									?			
71																	1				1
72														1	1						1
73																					1
73.1																	1		1	1	1
73.2										1						1	1		1	1	
73.3		1		1												1	1		1		

TABLE OF DATA - COMBINED ABORIGINAL AND HISTORICAL SURVEY - DISTRIBUTION																					
Melrose Valley Site No.	Artefact or Feature Type																				
	Primary Flake	Secondary Flake	Flake Core	Core	Retouched Flake	Hammerstone	Grindstone/Anvil	source material/detrails	Scarred or culturally significant Tree	Stone Placement	Vista	Remnant Vegetation	Grinding Grooves	Historic Fence line /material	Hearth	Structure- Whole/Remains, imprint	Domestic, Rural, Road, Rail Earthworks	Survey Marks or Pegs	E1otic Plants	Farm/Domestic Tools & Equipment, and refuse	Railway equipment
73.4		1		1						1						1	1				
73.5																	1	1			1
74										1					1		1	1		1	1
75																	1				
76															1				1		.
77.1														1							
77.2																					
77.3																				1	
77.4																	1				
77.5												1									
77.6																				1	
77.7		1															1				
77.8																					
77.9																					
77.10														1							
77.11																	1				
77.12		1																			
77.13																	1				
77.14																	1				
77.15																	1				
77.16														1							
78.1		1																			
78.2		1																			
78.3		1	1																		
78.4		1		1																	
79.1						1			1	1											
79.2				1																	
80														1							1
<b>Total</b>	<b>5</b>	<b>44</b>	<b>16</b>	<b>34</b>	<b>23</b>	<b>18</b>	<b>5</b>	<b>3</b>	<b>16</b>	<b>9</b>	<b>7</b>	<b>24</b>	<b>1</b>	<b>7</b>	<b>17</b>	<b>10</b>	<b>22</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>6</b>

# COG OBSERVATION RECORD

Leave Blank

Full Name Johnson Obs Code Jimz Observer Number   
 Site Number (if known)  Number of people surveying 2 Phone Number

**Time Data**  
 Date 09/01/04 Time Started (24 hr clock) 0830 Time Finished (24 hr clock) 1200

Use a new form for each day of observation in the same area.

**Positional Data**  
 Grid No K17 NSW ACT  Site Location Property "Melrose Valley" near Tuggeranong railway siding.  
 Describe the precise location using place names and giving distances and directions from 1 or more named points.

**Either**  
 Latitude 35°26'15" S Longitude 149°08'30" E

Was GPS unit used?  Yes  No Which Datum was used? (applies to GPS units and maps)  AGD (84/66)  WGS 84 or GDA  
 Accuracy of Latitudes and Longitudes  100 m  Within 500 m  Within 5 km  Within 50 km

**Or** AMG Easting  Northing

**Type of Search**  
 Please indicate which type of survey done:  
 Two-Hectare Search - Preferred Method (20 min search of a 2ha area = 100 x 200 m, sites at least 400 m apart. We prefer that you use a GPS unit or Lat/Long. If doing repeat surveys, please complete an Atlas Habitat form).  
 Area Search - Specify area searched  Within 500 m of central point  Within 5 km of central point  
 Incidental Record  Survey Other than Atlas-Please write in Survey Code

**WEATHER** - tick one box under each heading

<b>Temperature</b> <input type="checkbox"/> Very Cold - Below 0°C <input type="checkbox"/> Cold - 0 to 10°C <input type="checkbox"/> Mild - 11 to 20°C <input checked="" type="checkbox"/> Warm - 21 to 30°C <input type="checkbox"/> Hot - Over 30°C	<b>Wind Speed</b> <input type="checkbox"/> Calm - Less than 1kph <input checked="" type="checkbox"/> Light Breeze - 1 to 10kph <input type="checkbox"/> Gentle Breeze - 11 to 20kph <input type="checkbox"/> Moderate Breeze - 21 to 30kph <input type="checkbox"/> Fresh/Strong Breeze - Over 30kph	<b>Precipitation</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Fog <input type="checkbox"/> Drizzling <input type="checkbox"/> Raining <input type="checkbox"/> Snowing
--	---	--

**HABITAT** - Complete either A) or B) Where there is a distinct change of habitat, start a new Observation Record

**A) Forest, woodland, shrubland, heath**

i) Upper stratum - tick one box under each heading

<b>Dominant plant type</b> <input checked="" type="checkbox"/> Eucalypts <input type="checkbox"/> Casuarinas <input type="checkbox"/> Acacias <input type="checkbox"/> Pines (plantations) <input type="checkbox"/> Other (give details below)	<b>Growth Form</b> <input type="checkbox"/> Tall Trees - over 30m <input checked="" type="checkbox"/> Medium Trees - 10 to 30m <input type="checkbox"/> Low Trees - under 10m <input type="checkbox"/> Tall Shrubs - 2m and over <input type="checkbox"/> Low Shrubs - under 2m	<b>Foliage cover</b> <input type="checkbox"/> 1% to less than 10% <input checked="" type="checkbox"/> 10 - 30% <input type="checkbox"/> 30 - 70% <input type="checkbox"/> More than 70%
---	--	---



ii) Understorey - tick one box under each heading

<b>Dominant growth form</b> <input type="checkbox"/> Low Trees - under 10m <input type="checkbox"/> Tall Shrubs - 2m and over <input checked="" type="checkbox"/> Low Shrubs - under 2m <input type="checkbox"/> Herbs, grasses etc	<b>Foliage cover</b> <input checked="" type="checkbox"/> 1% to less than 10% <input type="checkbox"/> 10 - 30% <input type="checkbox"/> 30 - 70% <input type="checkbox"/> More than 70%
---	---

**B) Other habitat type - tick one box**

<input type="checkbox"/> Grassland/Pasture	<input type="checkbox"/> Parkland	<input type="checkbox"/> Urban
<input type="checkbox"/> Riverine	<input type="checkbox"/> Open Water	<input type="checkbox"/> Marsh/Swamp
<b>Wetland Water Level</b> - tick ONE box <input type="checkbox"/> Dry <input type="checkbox"/> Below Capacity	<input type="checkbox"/> Exposed mud/sand <input type="checkbox"/> At Capacity	<input type="checkbox"/> Flooding Marsh/Swamp

Additional notes e.g. on feeding, territorial behaviour, aggression, sex ratios, ratios of adults to juveniles, migration, insects, etc and/or Notes on habitat e.g. similar or mixed habitat, margins, condition of understorey, flowering/fruitlet species, mistletoe, weed invasion, etc:

Br=Breeding. Use the following codes: ny=nest with young; ne=nest with eggs; fs=faecal sac; on=bird on or seen leaving nest; nb=nest building; cf=carrying food; dy=dependent young; ih=inspecting hollow; di=display; co=copulation.

Ab = Abundance. Record actual numbers whenever possible. Otherwise use as close an estimate as possible, preferably having the margin for error on the low side. Flying over - If a species is recorded flying over the site, circle the number recorded.

Br	Ab	Br	Ab	Br	Ab	Br	Ab	Br	Ab	Br	Ab	Br	Ab	
	001	Ernu		224	Wedge-tailed Eagle		274	Cockatiel		470	Striated Thornbill		430	White-winged Triller
	009	Stubble Quail		225	Little Eagle		254	Rainbow Lorikeet		466	Southern Whiteface		671	Olive-backed Oriole
	011	Brown Quail		239	Brown Falcon		260	Little Lorikeet		638	Red Wattlebird		544	Masked Woodswallow
	216	Blue-billed Duck		235	Australian Hobby		281	Australian King-Parrot		645	Noisy Friarbird		545	White-browed Woodswallow
	217	Musk Duck		237	Peregrine Falcon		277	Superb Parrot		603	Regent Honeyeater		547	Dusky Woodswallow
	203	Black Swan		240	Nankeen Kestrel		282	Crimson Rosella		634	Noisy Miner		702	Grey Butcherbird
	207	Australian Shelduck		046	Buff-banded Rail		288	Eastern Rosella		614	Yellow-faced Honeyeater		705	Australian Magpie
	202	Australian Wood Duck		050	Baillon's Crane		295	Red-rumped Parrot		617	White-eared Honeyeater		694	Pied Currawong
	948	Mallard		049	Australian Spotted Crane		310	Budgerigar		619	Yellow-tufted Honeyeater		697	Grey Currawong
	208	Pacific Black Duck		058	Purple Swamphen		337	Pallid Cuckoo		613	Fuscous Honeyeater		930	Australian Raven
	212	Australasian Shoveler		056	Dusky Moorhen		339	Brush Cuckoo		625	White-plumed Honeyeater		954	Little Raven
	211	Grey Teal		059	Eurasian Coot		338	Fan-tailed Cuckoo		583	Brown-headed Honeyeater		693	White-winged Chough
	210	Chestnut Teal		014	Painted Button-quail		342	Horsfield's Bronze-Cuckoo		578	White-naped Honeyeater		699	Satin Bowerbird
	213	Pink-eared Duck		168	Latham's Snipe		344	Shining Bronze-Cuckoo		630	Crescent Honeyeater		993	Skyland
	215	Hardhead		158	Common Greenshank		248	Powerful Owl		631	New Holland Honeyeater		647	Richard's Pipit
	061	Australasian Grebe		162	Red-necked Stint		242	Southern Boobook		591	Eastern Spinebill		995	House Sparrow
	062	Hoary-headed Grebe		163	Sharp-tailed Sandpiper		249	Barn Owl		448	White-fronted Chat		653	Zebra Finch
	060	Great Crested Grebe		161	Curlew Sandpiper		313	Tawny Frogmouth		377	Jacky Winter		655	Double-banded Finch
	101	Darter		146	Black-winged Stilt		317	Australian Owllet-nightjar		380	Scarlet Robin		662	Red-browed Finch
	100	Little Pied Cormorant		147	Banded Stilt		334	White-throated Noddy		381	Red-capped Robin		652	Diamond Firetail
	097	Little Black Cormorant		148	Red-necked Avocet		322	Laughing Kookaburra		382	Flame Robin		997	European Greenfinch
	096	Great Cormorant		137	Pacific Golden Plover		326	Sacred Kingfisher		384	Rose Robin		996	European Goldfinch
	106	Australian Pelican		143	Red-capped Plover		329	Rainbow Bee-eater		385	Hooded Robin		564	Mistletoebird
	188	White-faced Heron		140	Double-banded Plover		318	Dollarbird		392	Eastern Yellow Robin		357	Welcome Swallow
	185	Little Egret		144	Black-fronted Dotterel		350	Superb Lyrebird		421	Eastern Whipbird		359	Tree Martin
	189	White-necked Heron		132	Red-kneed Dotterel		558	White-throated Treecreeper		436	Spotted Quail-thrush		360	Fairy Martin
	187	Great Egret		133	Masked Lapwing		560	Red-browed Treecreeper		549	Varied Sittella		524	Clamorous Reed-Warbler
	977	Cattle Egret		125	Silver Gull		555	Brown Treecreeper		416	Crested Shrike-tit		522	Little Grassbird
	192	Nankeen Night Heron		110	Whiskered Tern		529	Superb Fairy-wren		405	Olive Whistler		509	Rufous Songlark
	195	Little Bittern		957	Rock Dove		565	Spotted Pardalote		398	Golden Whistler		508	Brown Songlark
	178	Glossy Ibis		034	Common Bronzewing		976	Striated Pardalote		401	Rufous Whistler		525	Golden-headed Cisticola
	179	Australian White Ibis		035	Brush Bronzewing		506	Ptilinbird		408	Grey Shrike-thrush		574	Silvereye
	180	Straw-necked Ibis		030	Peaceful Dove		488	White-browed Scrubwren		365	Leaden Flycatcher		779	Bassian Thrush
	181	Royal Spoonbill		043	Crested Pigeon		504	Speckled Warbler		366	Satin Flycatcher		991	Common Blackbird
	182	Yellow-billed Spoonbill		044	Wonga Pigeon		465	Weebill		369	Restless Flycatcher		999	Common Starling
	232	Black-shouldered Kite		265	Glossy Black-Cockatoo		463	Western Gerygone		415	Magpie-lark		998	Common Myna
	228	Whistling Kite		267	Yellow-tailed Black-Cockatoo		453	White-throated Gerygone		362	Rufous Fantail			
	226	White-bellied Sea-Eagle		268	Gang-gang Cockatoo		475	Brown Thornbill		361	Grey Fantail			
	219	Swamp Harrier		273	Galah		484	Buff-rumped Thornbill		364	Willie Wagtail			
	220	Brown Goshawk		271	Little Corella		486	Yellow-rumped Thornbill		424	Black-faced Cuckoo-shrike			
	222	Collared Sparrowhawk		269	Sulphur-crested Cockatoo		471	Yellow Thornbill		429	Cicadabird			

Total Number of Species: 37

Unusual Birds. For sightings of any birds not appearing in this list, for example, Intermediate Egret, Freckled Duck, Little Friarbird, Pied Butcherbird etc., record the details in the blank spaces provided and submit a Unusual Report Form with this sheet.

3/2/03

Diagram 1

Scale 1:1

② Kw

MV7

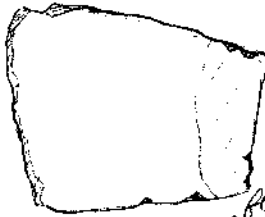
21



L 12.2 mm  
W 30 mm  
T 6.6 mm

retouched flake  
(grey/black  
fine grain)  
cryptocrystalline

22



L 26.2 mm  
W 32 mm  
T 7.4 mm

flake  
Core  
(red/blue creamy)  
med grain  
siliceous

23



L 23.3 mm  
W 10.8 mm  
T 12.4 mm

Core  
(orange  
pink  
quartz)

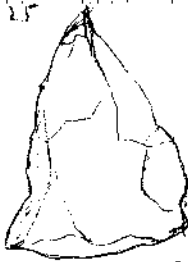
24



L 13.3 mm  
W 10.4 mm  
T 11.5 mm

Core  
(pink/orange quartz)  
grey  
rhyolite/dacite

25



L 31.8 mm  
W 24.5 mm  
T 19.4 mm

Core  
(black, pink)  
red/blue  
fine grain  
volcanic

26



L 25.6 mm  
W 13.8 mm  
T 5.8 mm

secondary flake  
rhyolite/dacite

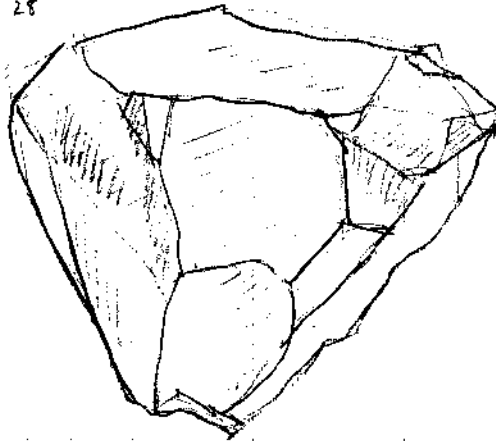
27



L 10.5 mm  
W 11.5 mm  
T 6.6 mm

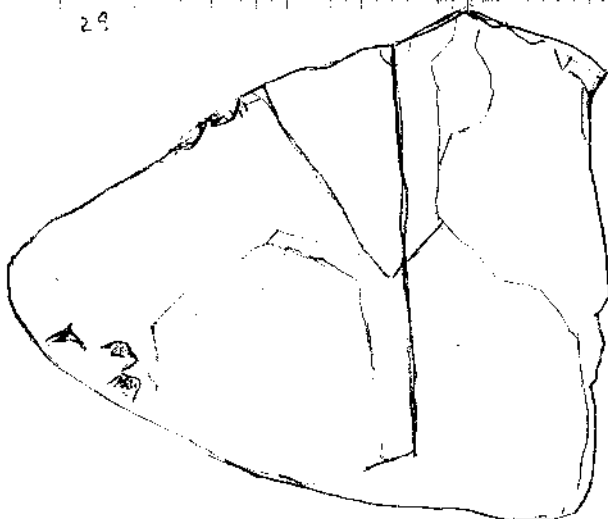
Primary  
flake  
Plate + white  
quartz  
inclusions  
rhyolite/dacite

28



L 61.4 mm  
W 62.7 mm  
T 43.5 mm  
ignimbrite  
Core

29



L 64 mm  
W 77.7 mm  
T 38.8 mm

Broken Core  
retouched core  
ignimbrite


3/8/03


Diagram 2 scale 1:1


Kws.


MV 7. scatter around gateway


①


1  
  
 L 11 mm  
 W 5 mm  
 T 5 mm  
 vein quartz  
 core


2  
  
 L 14.7 mm  
 W 11.5 mm  
 T 11.9 mm  
 vein quartz pebble  
 primary flake core


3  
  
 L 12.7 mm  
 W 10.7 mm  
 T 7.3 mm  
 vein quartz pebble  
 (potential core)


4  
  
 L 11 mm  
 W 13.2 mm  
 T 3.8 mm  
 retouched  
 vein quartz flake


5  
  
 L 10.4 mm  
 W 5 mm  
 T 2.3 mm  
 vein quartz flake


6  
  
 L 13.3 mm  
 W 9.3 mm  
 T 5.4 mm  
 vein quartz  
 primary flake core

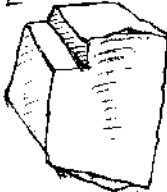
7  
  
 L 16.8 mm  
 W 8.4 mm  
 T 4.8 mm  
 vein quartz  
 secondary flake

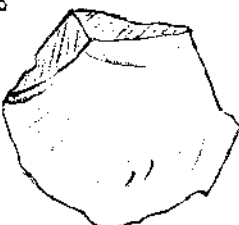
8  
  
 L 13.3 mm  
 W 9.4 mm  
 T 5.4 mm  
 vein quartz  
 retouched flake


9  
  
 L 9.8 mm  
 W 8.9 mm  
 T 4.5 mm  
 vein quartz  
 retouched flake


10  
  
 L 10.4 mm  
 W 8.5 mm  
 T 4.6 mm  
 vein quartz  
 flake


11  
  
 L 13.8 mm  
 W 15.3 mm  
 T 9.4 mm  
 core  
 (pink)  
 fine grain  
 cryptocrystalline


12  
  
 L 25 mm  
 W 19.4 mm  
 T 11 mm  
 core  
 (blue brown)  
 fine grain  
 cryptocrystalline  
 almost pure silica


13  
  
 L 27.9 mm  
 W 31.5 mm  
 T 7.6 mm  
 flake  
 (grey) coarse grain  
 silicious material


14  
  
 L 39 mm  
 W 18.8 mm  
 T 9.4 mm  
 flake  
 core  
 silicious material  
 (blue brown)  
 + pink  
 fine grain


15  
  
 L 13.5 mm  
 W 9.6 mm  
 T 7.4 mm  
 primary flake  
 rhyolite/  
 dacite  
 (grey)  
 fine grain

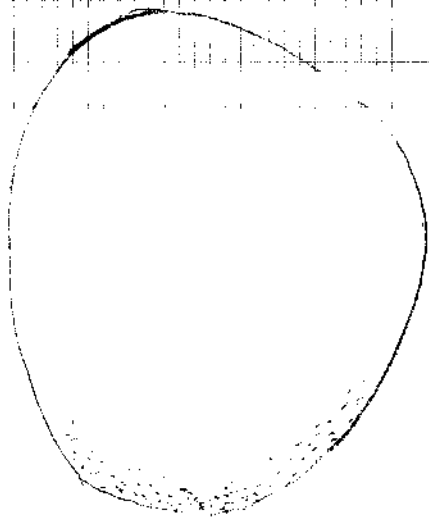
16  
  
 L 18.7 mm  
 W 13.3 mm  
 T 6.3 mm  
 retouched  
 flake  
 (grey fine grain)  
 cryptocrystalline

17  
  
 L 11.5 mm  
 W 7.4 mm  
 T 2.4 mm  
 flake  
 (red)  
 cryptocrystalline

18  
  
 L 12.8 mm  
 W 19.3 mm  
 T 6.5 mm  
 core  
 (red/blue  
 brown  
 fine grain)  
 cryptocrystalline

19  
  
 L 20.6 mm  
 W 16.2 mm  
 T 9.8 mm  
 secondary  
 flake  
 (fine grain  
 cream, red/orange)  
 grey cortex  
 rhyolite/dacite

20  
  
 L 12 mm  
 W 14.7 mm  
 T 6 mm  
 secondary  
 flake  
 (cream brown  
 quartz-grained)  
 rhyolite/dacite

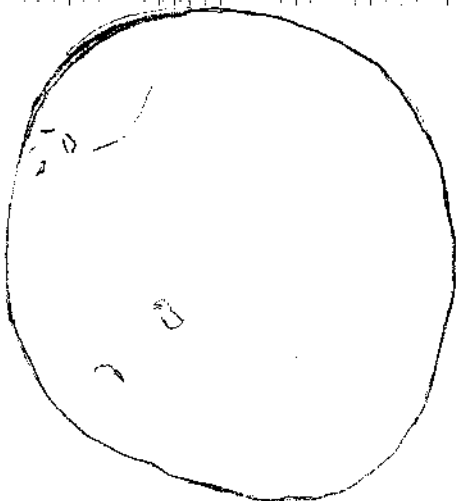


L 64.3 mm  
W 56.4 mm  
T 39.8 mm

Cobble (grey) fine grain

Ignimbrite/dacite  
fine grained silica  
rich volcanics;  
Glass/Gneiss  
Alvarado region

note peckings  
some white ~~poor~~  
substance present  
in pecking marks.  
some black substance  
present in ~~grain~~ on surface (speckled)



L 64.3 mm  
W 58.5 mm  
T 33 mm

quartz cobble  
some impact marks

Vesic quartz

black substance speckled on  
surface.  
one area of white substance  
in one of the impact marks.



white/grey

note peckings  
some white substance  
present in peckings

Ignimbrite/dacite  
fine grained silica  
rich volcanics

L 51.9 mm  
W 44.6 mm  
T 35.5 mm

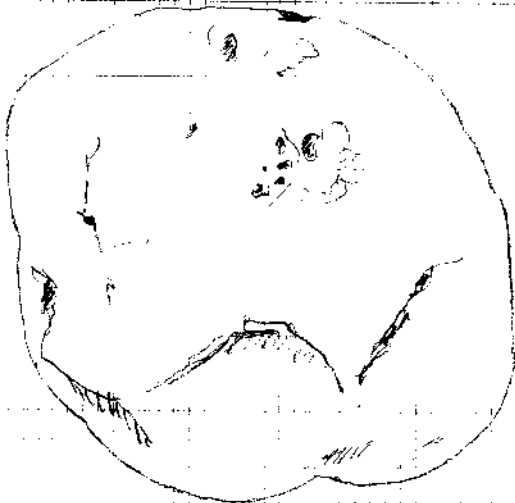


MV8

Scale 1:1 Kus. 3/2/05

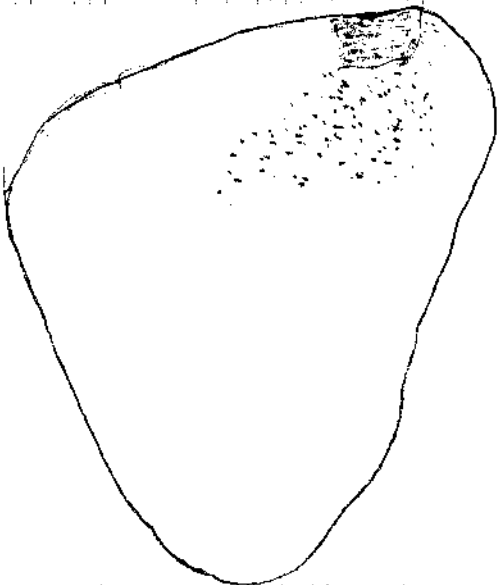
Diagram 4

2.



L 64.3 mm  
 W 71.3 mm  
 T 33.3 mm

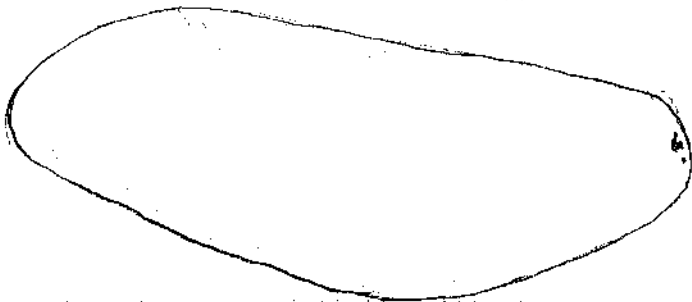
white quartz cobble (a silica rich rock)  
 impact marks  
 some white substance  
 in peck marks.



Grey Cobble  
 Hammer Stone  
 note wear marks  
 (chipped)  
 + pecking

L 82.9 mm  
 W 57.3 mm  
 T 34.9 mm

Ignimbrite/dacite  
 fine grained silica rich  
 volcanics / tuffite  
 from Yass into the  
 Camb. region to the  
 Monaro.

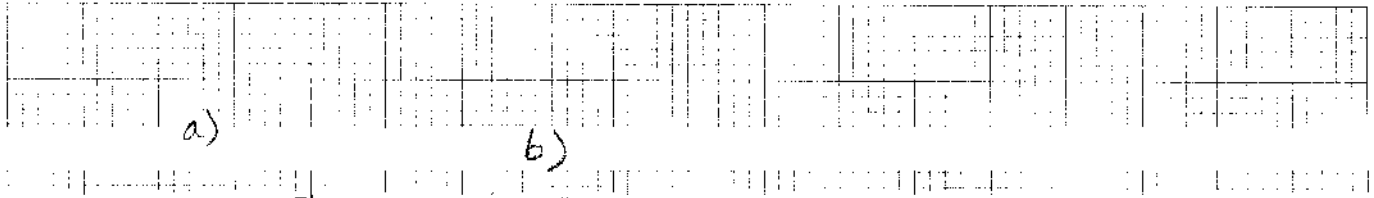


L 89.7 mm  
 W 34.3 mm  
 T 21.3 mm

Dark grey/black  
 cobble

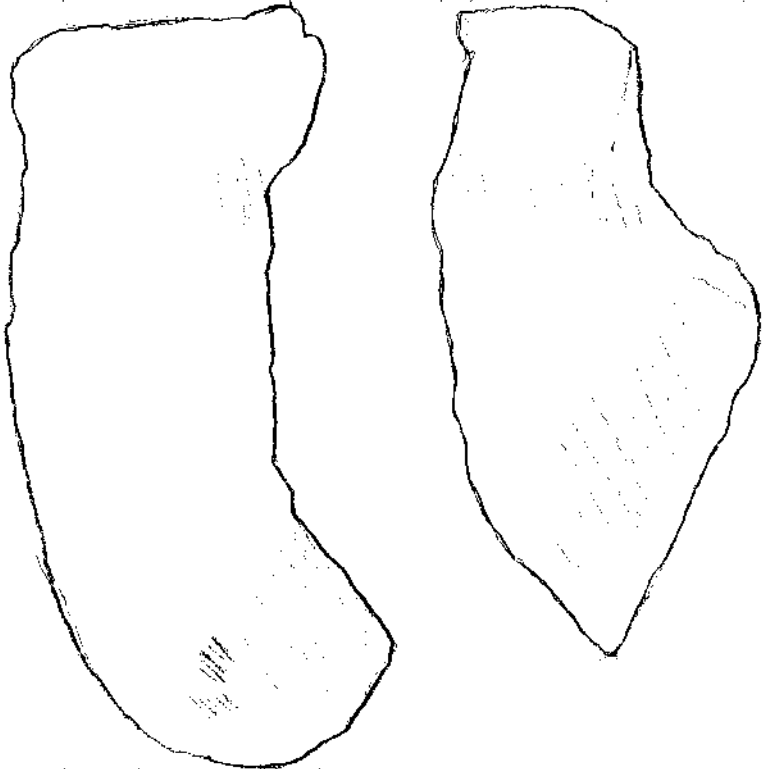
Impact mark one end.  
 worn areas  
 waxy build up on mass

? type - identification  
 needs lab



a)

b)



Broken

grainy  
grey-brown  
blue

Rhyolite/dacite (or so)  
Ordinary volcanic  
rock

Artifact ??

a) L 106.3 mm  
 W 36. mm  
 T 35.3 mm

b) L 86.7 mm  
 W 46.9 mm  
 T 27.9 mm

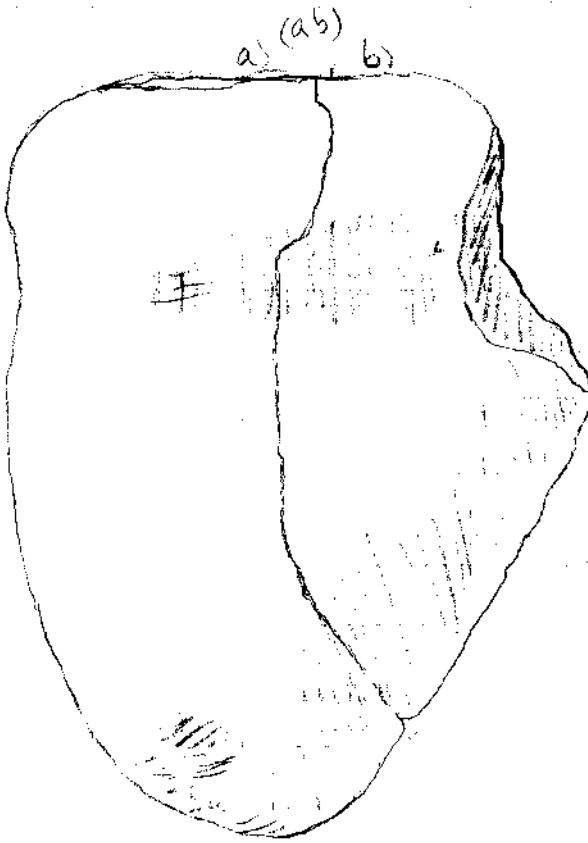
TWO DIAGRAMS:

ALL ONE  
ARTIFACT

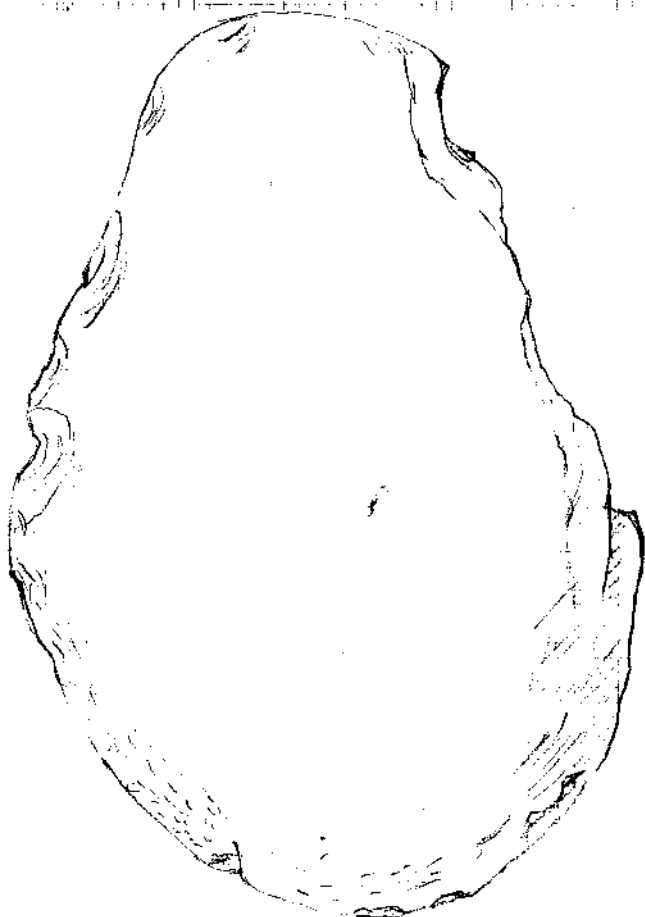
above pieces placed  
together

(possible hafted wear ?  
mark)

broken corner  
to ground edge.



(ab)  
 L 106.3 mm  
 W 74.4 mm  
 T 27.9 mm



Cobbble

~~no~~ impact marks

+ broken edges

some ground edge

grey/brown fine grain

L 119.6 mm

W 78 mm

T 15.4 mm

Igneous/dacite; fine-grained silica rich volcanic, extends from upper to lower region to the northern



Cobble light  
a very fine grain  
brown

ground edge?  
+ impact marks

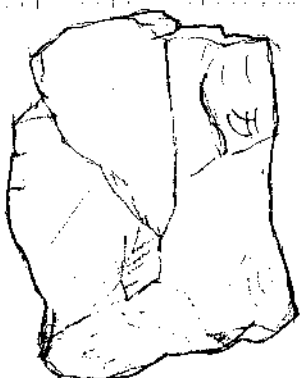
Taninite/dalmanite  
fine-grained silica rich  
volcanics; extend from  
Mass/Canada regions

L 78 mm

W 40 mm

T 23.4 mm

peeling  
+ impact marks



percussion rings?

white quartz core  
vein quartz  
cobbles

L 43.9 mm

W 31.4 mm

T 22.3 mm



L 74 mm

W 61 mm

T 45 mm

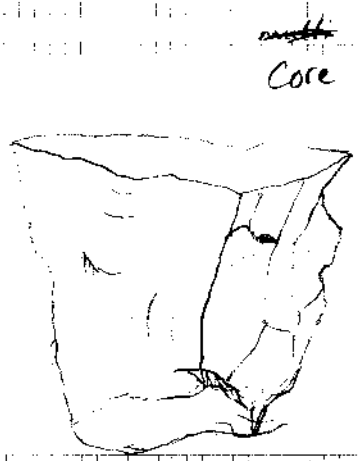
white ~~any~~  
vein quartz  
cobbles

peeling

MV13 main fire place within 9 paces.

30/10/03 Kw Scale 1:1 (2)

Diagram 8



Core Dark grey / light brown  
~~Sedimentary layers~~  
~~substrate?~~  
 fine ~~grained~~ grained.

H 40.07 mm  
 W 38.0 mm  
 T 12.3 mm

South of fire place  
 in a hearth  
 fine grained ash stone

CT ↑ marker

East of main fire place

30/10/03 Krs

Scale 1:1

(3)

Diagram 9.

MV14

white  
quartz

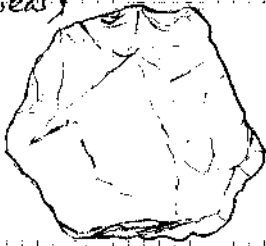
L 29.7 mm

W 31.9 mm

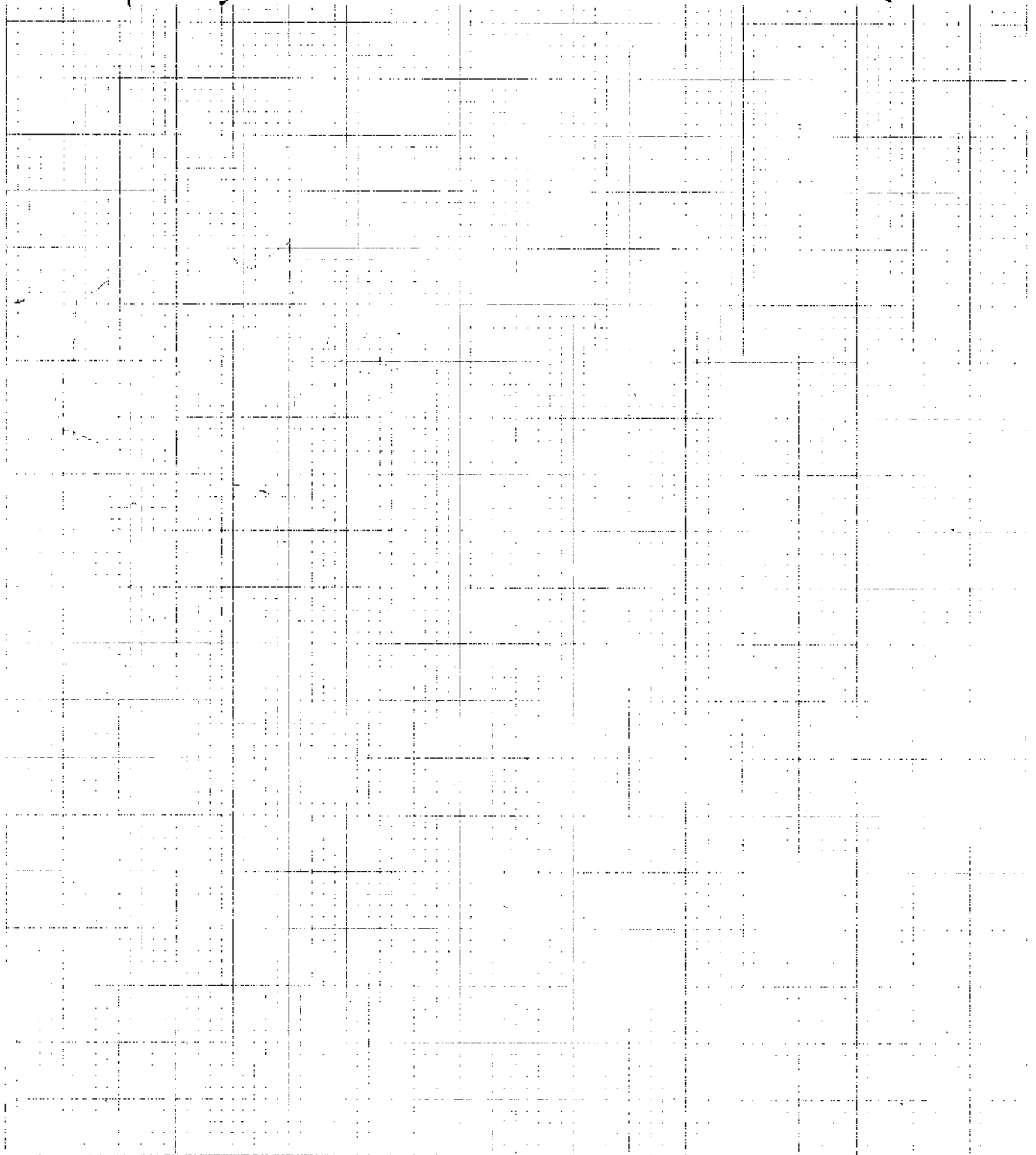
T 10.9 mm

retouched flake

(use wear)



vein quartz.



MV24

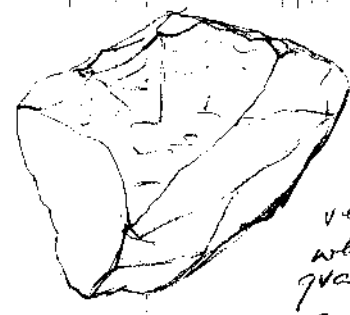
30/10/03 Kws Scale 1:1

Diagram 10



H 11.3 mm  
W 11.8 mm  
T 4.5 mm  
secondary

vein white quartz flake  
&



H 40.3 mm  
W 43.8 mm  
T 25.8 mm

vein  
white  
quartz  
Core

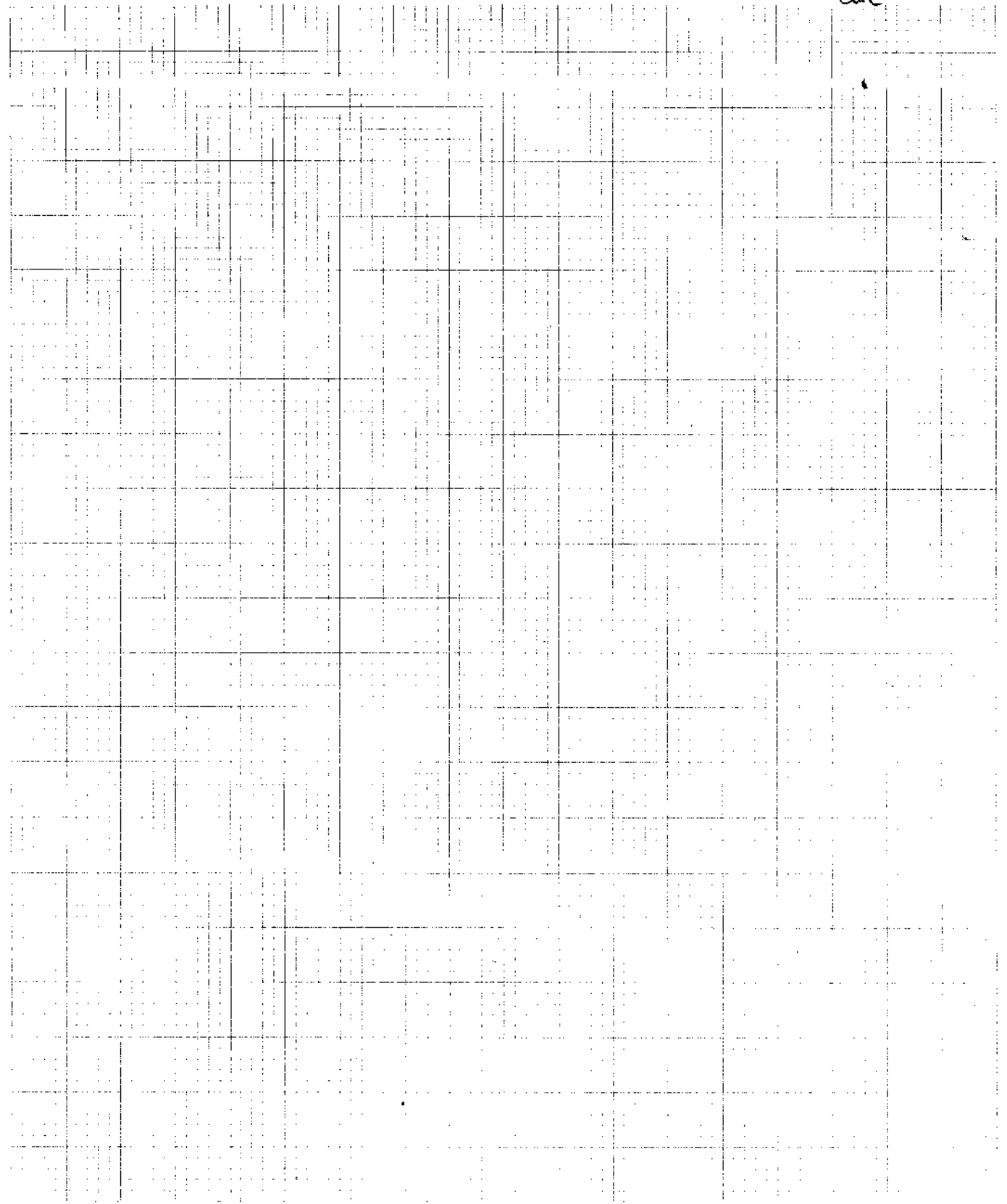
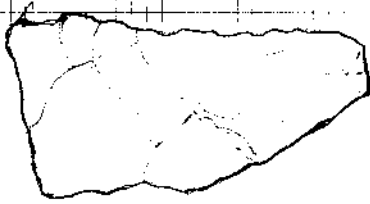


Diagram 11



side view (Back)



grey  
white intrusions

L 28.9 mm  
W 47 mm  
T 11.5 mm

L 11.6 mm  
W 13.5 mm  
T 5.5 mm

retouched  
scraper  
flake  
white quartz

Backed  
Blade  
fine grained  
ashstone



L 17.2 mm  
W 11.1 mm  
T 4.5 mm

secondary  
flake

~~mixed stone?~~  
white  
brown  
iron oxide

fine grained  
ashstone



L 67.5 mm  
W 43.2 mm  
T 24.5 mm

flake  
core

green/grey fine grain

fine ashstone?

3 platforms



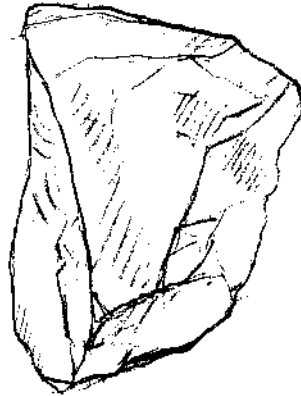
1)



Core  
fine grain volcanic  
grey/brown

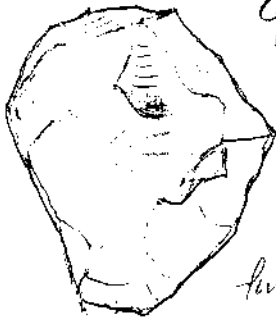
L 52.9mm  
W 40.4mm  
T 21.1mm

Core ~~medium grain~~ fine grain volcanic  
grey/brown 2)



L 60.7mm  
W 32.2mm  
T 48.5mm

3)



Core  
~~medium grain~~  
medium grey/brown

L 40.7mm  
W 30.6mm  
T 28.6mm

fine grain volcanic

quartz core

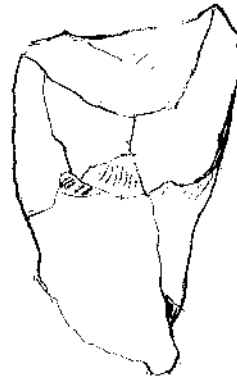


L 59.9mm  
W 33.4mm  
T 13.2mm 4)

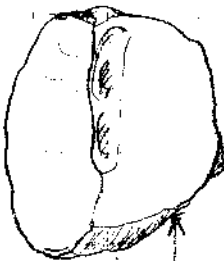


Core  
fine grain  
cream/white  
L 39.9mm  
W 25.5mm  
T 18.7mm  
fine grained ash stone  
(pitted surface)

secondary  
flake  
Core grey/brown  
~~fine grain~~



L 47.4mm  
W 35mm  
T 22.1mm  
fine grained  
ash stone



secondary flake  
Core  
grey/brown  
~~medium grain~~  
L 33.4mm  
W 29mm  
T 21.2mm  
fine grained  
ash stone  
Cortex

secondary flake core  
quartz ~~white~~ white



L 28.5mm  
W 17.6mm  
T 12.3mm



quartz  
sec. flake use wear  
L 26.2mm  
W 34.6mm  
T 9.2mm



white quartz core flake  
L 36.5mm  
W 14.1mm  
T 10.8mm



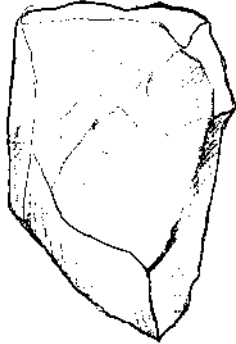
secondary  
flake  
cream white fine grain  
ash stone  
L 11.7mm W 8.7mm T 3mm

1+2+3 = fine grained volcanic

MV31

secondary  
flake  
~~medium grained~~

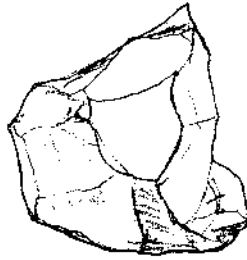
grey



L 44.4 mm  
W 31.8 mm  
T 5.6 mm

ash core

core white/cream fine grained



L 34.7 mm  
W 29.7 mm  
T 24.5 mm

Retouched  
flake grey medium grained  
partly ash stone



flake removed  
L 29.2 mm  
W 39.5 mm  
T 6.3 mm



secondary flake  
quartz core

L 30.5 mm  
W 31.3 mm  
T 15.3 mm

secondary  
flake

fine grained  
white/cream  
mudstone like



L 20.4 mm  
W 16.5 mm  
T 3.6 mm

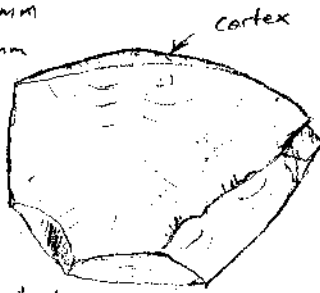
broken secondary  
flake white/cream  
mudstone like

fine grained  
siliceous material



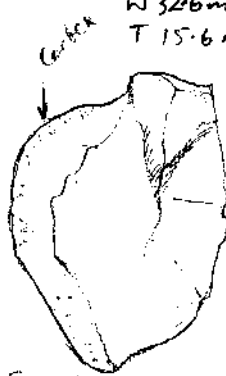
L 24.3 mm  
W 20.2 mm  
T 6.3 mm

(pebble)  
 flake Core - fine grain  
 brown  
 cream cortex  
 L 30 mm  
 W 41.4 mm  
 T 21.5 mm



Rhyallite/dacite  
 Core material

(pebble)  
 flake fine grain  
 brown / grey  
 Core  
 L 39.2 mm  
 W 32.6 mm  
 T 15.6 mm



Rhyallite, grains of quartz

(pebble)  
 flake Core  
 cream / brown fine  
 grain  
 L 19.8 mm  
 W 28.2 mm  
 T 11.4 mm



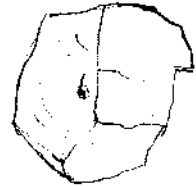
Rhyallite/dacite



flake retouched L 29.7 mm  
 (pebble) use wear  
 medium grain  
 light brown  
 W 70.6 mm  
 T 12.8 mm  
 Rhyallite, grains of quartz



Core (pebble)  
 light brown  
 fine grain  
 L 20 mm  
 W 29.4 mm  
 T 15.5 mm  
 Rhyallite/dacite



Core fine grain  
 brown  
 L 23.7 mm  
 W 24.3 mm  
 T 14.6 mm  
 Rhyallite/dacite



secondary  
 flake fine grain  
 Red/Brown  
 L 22.6 mm  
 W 35 mm  
 T 13.3 mm  
 Ignimbrite stained by iron or  
 possibly an ash stone



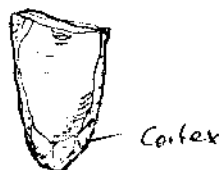
flake Core retouched (retouched)  
 quartz white/pink  
 L 20.4 mm  
 W 24.8 mm  
 T 10 mm  
 Vein quartz/milky



Core  
 quartz white  
 brown  
 inclusions  
 L 24.5 mm  
 W 21.4 mm  
 T 11.4 mm  
 Vein quartz, large  
 Rhyallite/dacite



Core scraper  
 L 10.9 mm  
 W 24.2 mm  
 T 7.6 mm  
 Vein quartz/Rhyallite/  
 dacite



(pebble) core  
 grey/brown  
 L 21.7 mm  
 W 13.6 mm  
 T 19.2 mm

Scale 1:1

Diagram 16

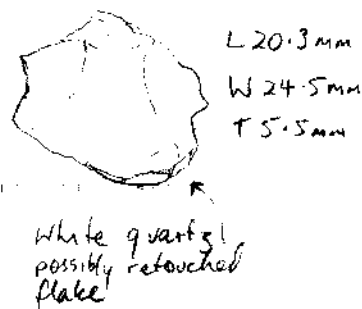
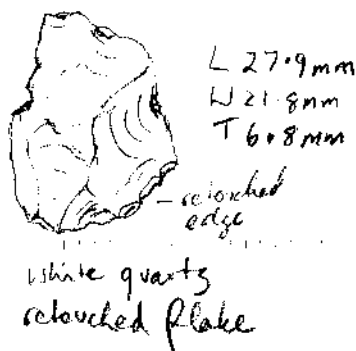
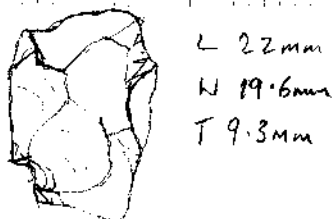
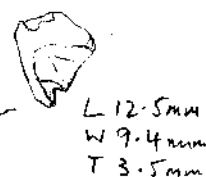
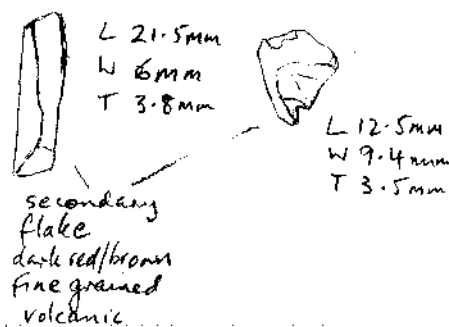
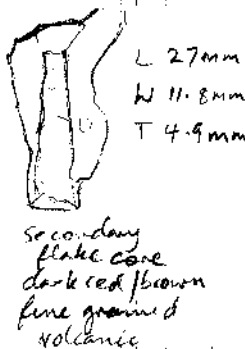
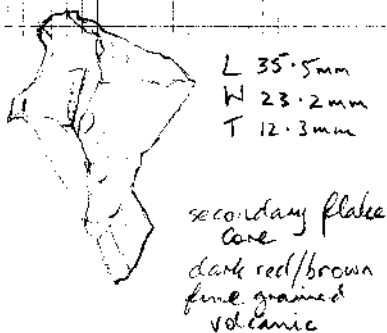
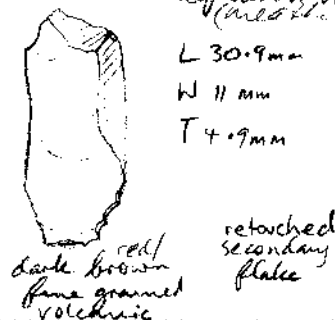
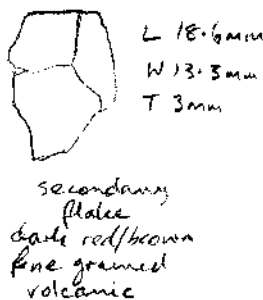
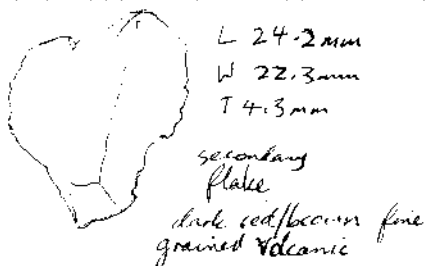
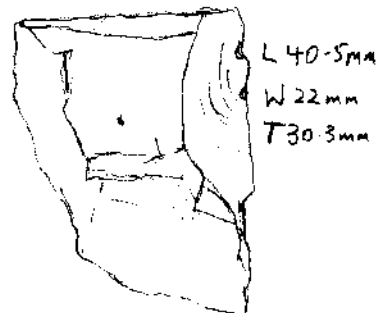
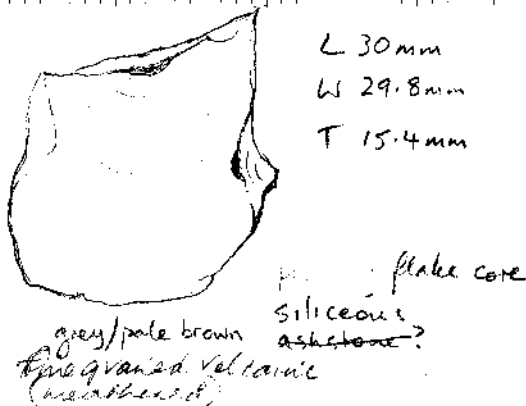
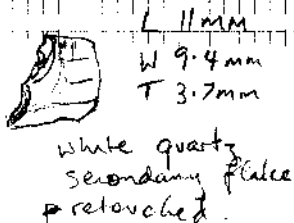
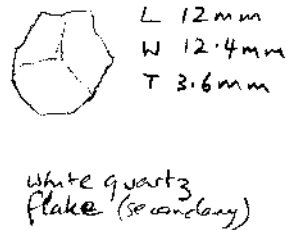
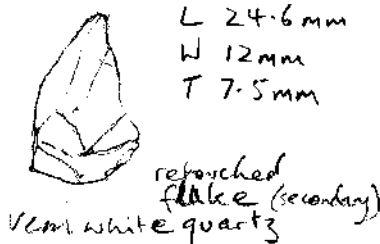
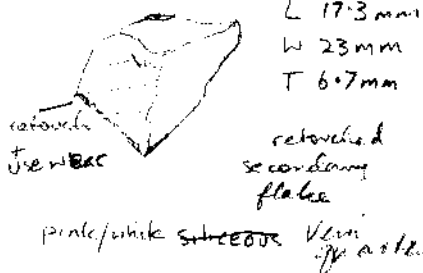


Diagram 17

L 10mm  
W 5mm  
T 1.6mm  
quartz flake  
white

L 27.9mm  
W 9.2mm  
T 5.7mm

L 21mm  
W 14.6mm  
T 9.3mm

retouched secondary flake  
light grey fine grain  
volcanic ~~with~~ ashstone

core (silcrete)?  
dark grey, white inclusions  
fine grained volcanic  
Porphyry ~~with~~ some quartz  
grains.  
not high quality tool material

L 27.5mm  
W 29mm  
T 11.8mm

L 15.5mm  
W 27.7mm  
T 9mm

L 15.3mm  
W 22.8mm  
T 5mm

secondary flake  
purple/brown fine quartz  
grain volcanic, white stripes quartz  
abundant ashstone, medium tool  
quality

broken secondary  
flake  
dark brown  
fine grained  
volcanic origin probably  
ashstone, medium tool  
quality

broken secondary  
flake  
purple brown/white  
fine grained volcanic  
(as before)

L 18.7mm  
W 23mm  
T 4.3mm  
bevelled edge

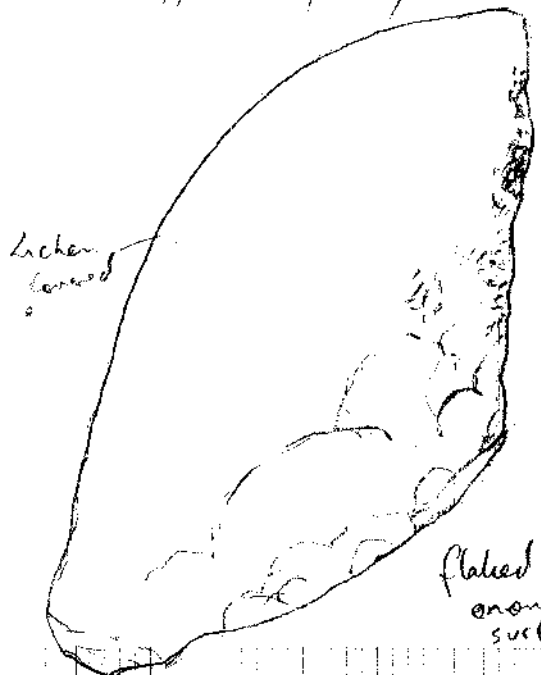
L 9.6mm  
W 21mm  
T 6.3mm  
cortex

L 8.3mm  
W 10mm  
T 2mm

retouched secondary flake  
pink with brown + white  
inclusions (porphyry)  
(backed blade)  
weathered fine grained  
volcanic, poor tool quality

pink/white  
secondary flake  
thin quartz cemented  
with impurities

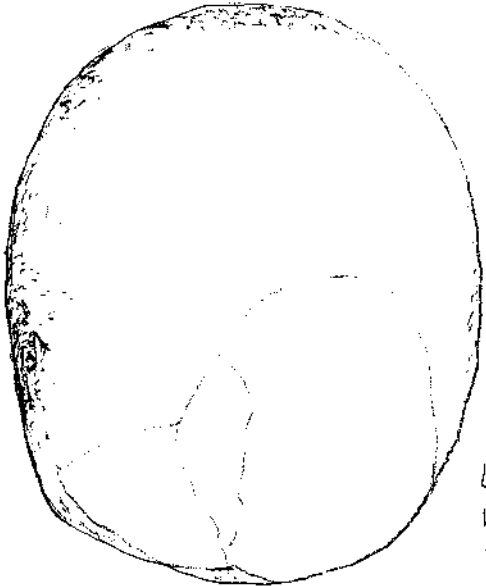
light grey  
secondary  
flake  
coloured  
quartz



pitting marks

L 99.8mm  
W 56.2mm  
T 50mm

flaked  
stone  
surface



flakes  
removed

L 73mm  
W 60.8mm  
T 36mm

Broken river cobble  
yellow ochre colour  
no fresh surface/break  
fine grained volcanic, unsuitable

River cobble  
hammer stone  
medium grained  
cream/gray, quartz, sandstone  
richly quartz very suitable

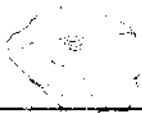
MV 67

12/1/04

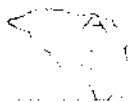
Seneca Hill

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# Diagram 18



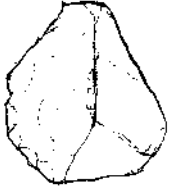
white quartz <sup>secondary</sup> flake  
 L 13 mm  
 W 18.5 mm  
 T 4.8 mm



white quartz  
 secondary flake  
 L 12 mm  
 W 12.2 mm  
 T 4.4 mm



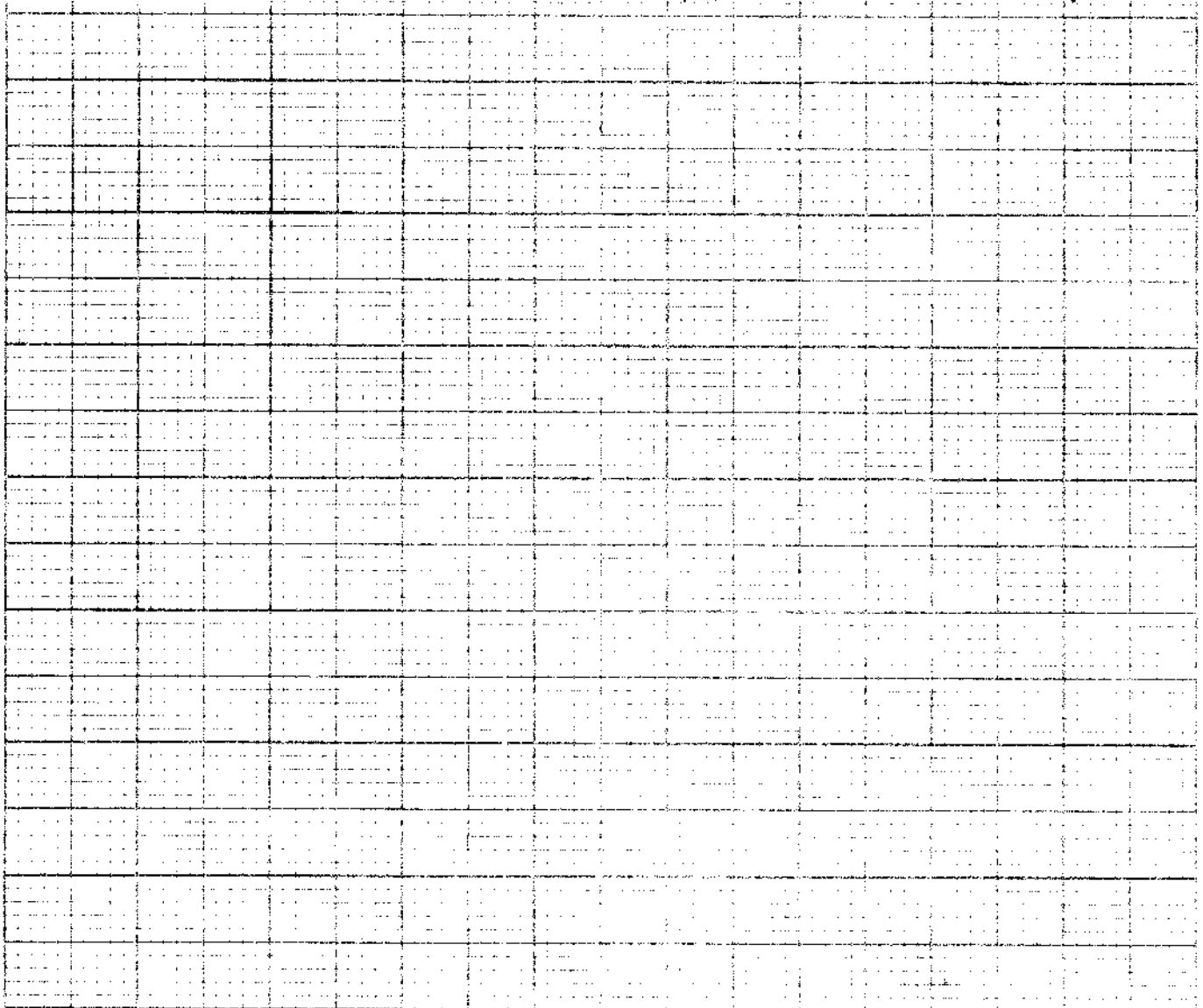
white quartz  
 primary flake  
 L 10.3 mm  
 W 16.2 mm  
 T 5.3 mm



white quartz  
 detached  
 core  
 L 21 mm  
 W 16 mm  
 T 14.3 mm



~~core~~ <sup>secondary</sup> flake  
 dark brown  
 fine grained  
 volcanic  
 L 28.4 mm  
 W 11 mm  
 T 9.4 mm  
 Siliceous rock stone

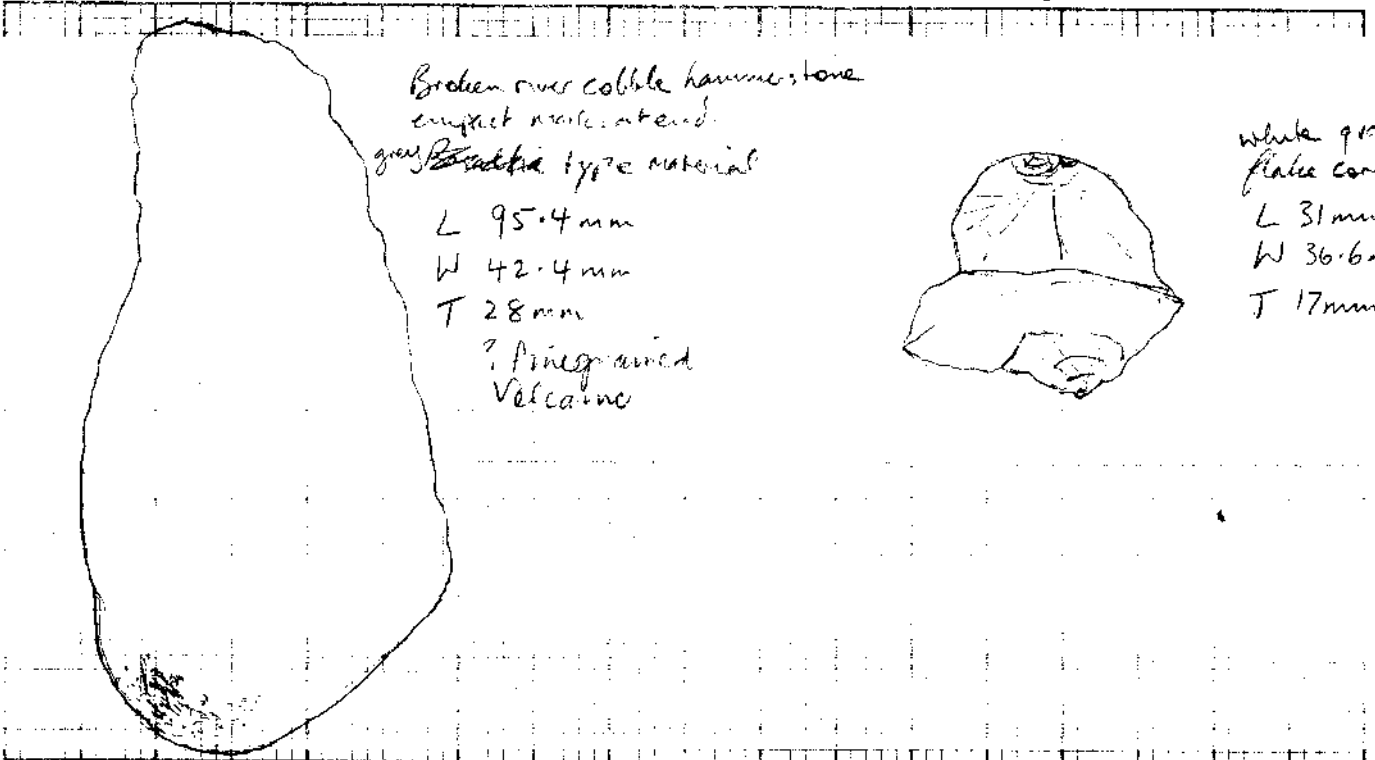


MV 69

12/1/04

Scale 1:1

Diagram 19



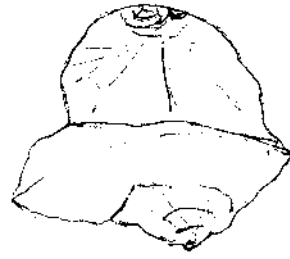
Broken over cobble hammerstone  
 impact marks attend.  
 grey ~~Basaltic~~ type material

L 95.4 mm

W 42.4 mm

T 28 mm

? Fine grained  
 Volcanic

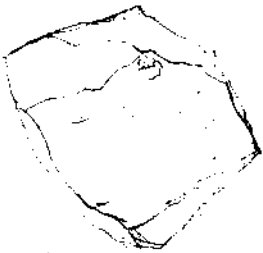
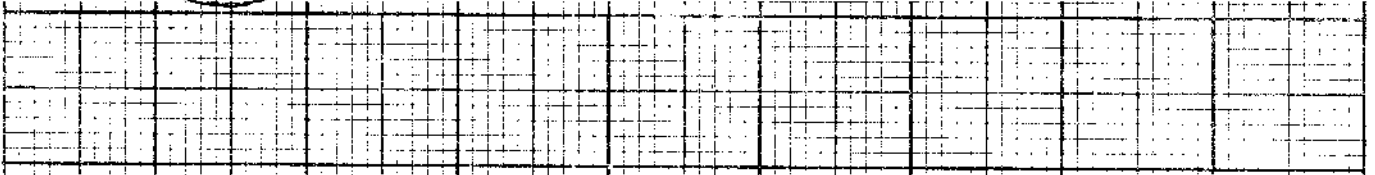


white quartz  
 flake core

L 31 mm

W 36.6 mm

T 17 mm



dark grey ash stone  
 grey basalt like  
 material

Core

L 33 mm

W 21 mm

T 25 mm

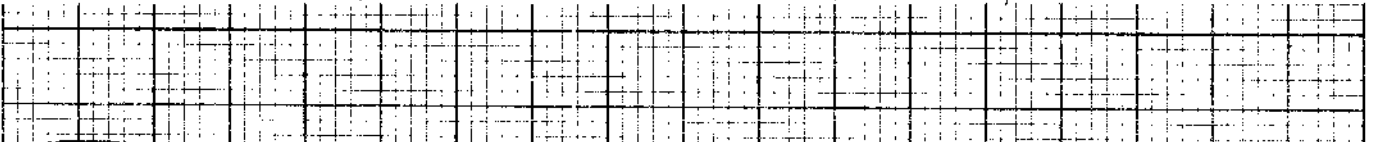


dark grey /  
 fine grained ash stone  
 secondary  
 flake

L 23.3 mm

W 15.8 mm

T 6.4 mm



Broken secondary  
 flake  
 dark grey basalt like

L 11.5 mm

W 21.3 mm

T 4 mm

fine grained ash stone

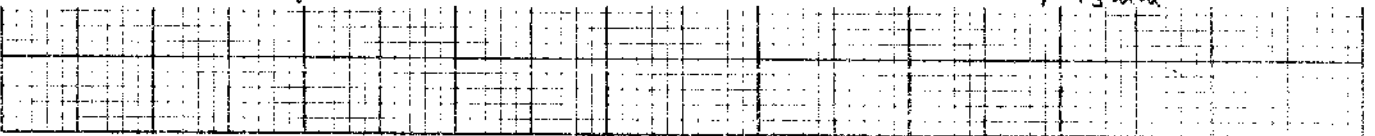


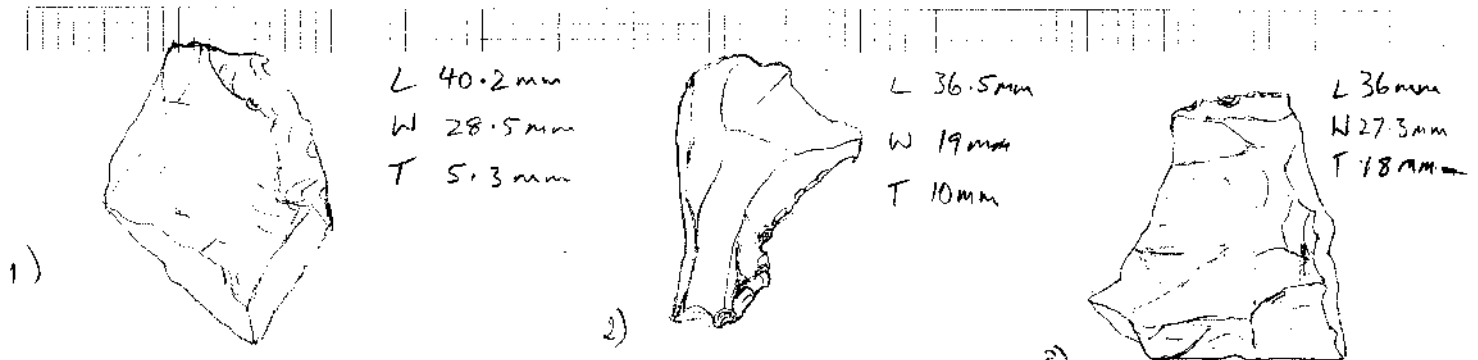
dark brown  
 very fine grained  
 core  
 volcanic  
 ash stone

L 13.4 mm

W 29.5 mm

T 13 mm





L 40.2mm  
W 28.5mm  
T 5.3mm

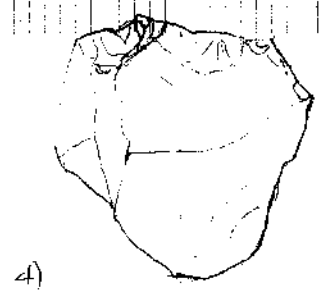
L 36.5mm  
W 19mm  
T 10mm

L 36mm  
W 27.3mm  
T 18mm

1) retouched flake  
reddish (dark brown) fine grained  
siliceous fine ashstone volcanic  
reddish colour

2) Retouched  
Flake  
dark brown fine  
grained volcanic  
siliceous ashstone  
small pieces of  
quartz in it.

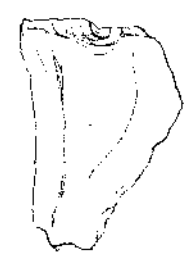
3) flake core  
dark red/brown  
fine grained volcanic  
coarser grained  
highly siliceous



L 34mm  
W 31.4mm  
T 20mm



L 21.2mm  
W 14.5mm  
T 8.6mm



L 30.5mm  
W 20.6mm  
T 5mm

4) Core  
dark brown fine  
grained volcanic  
fine siliceous ashstone, hard  
flakes good edges

5) fragment of  
edge ground axe?  
basalt like material  
grey/brown  
(presumably flake)

6) white quartz  
secondary flake  
vein quartz



L 26.4mm  
W 23.6mm  
T 8mm

7) coarser grain material  
similar to volcanic  
(river pebble 7-1)  
fine grain rhyolitic  
could be  
rhyolitic

7) secondary  
white quartz flake  
vein quartz

1) Good artefact tool material  
hard, breaks with typical  
conchoidal/semi-conchoidal fractures  
breaks with hard edges

2) ideal tool material

3) not quite as hard  
as 1) is coarser, 1865 ideal tool

4) mucky vein quartz

5) " " "

6) " " "

7) " " "

feldspar = mineral  
feldspar pinky = rhyolite