

A9 Dualling Programme Killiecrankie to Pitagowan

Archaeological Metal Detecting Survey at Killiecrankie Battlefield

Project 4181









A9 Dualling Programme Killiecrankie to Pitagowan: Archaeological Metal Detecting Survey at Killiecrankie Battlefield

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This document has been prepared in accordance with GUARD Archaeology Limited standard operating procedures.

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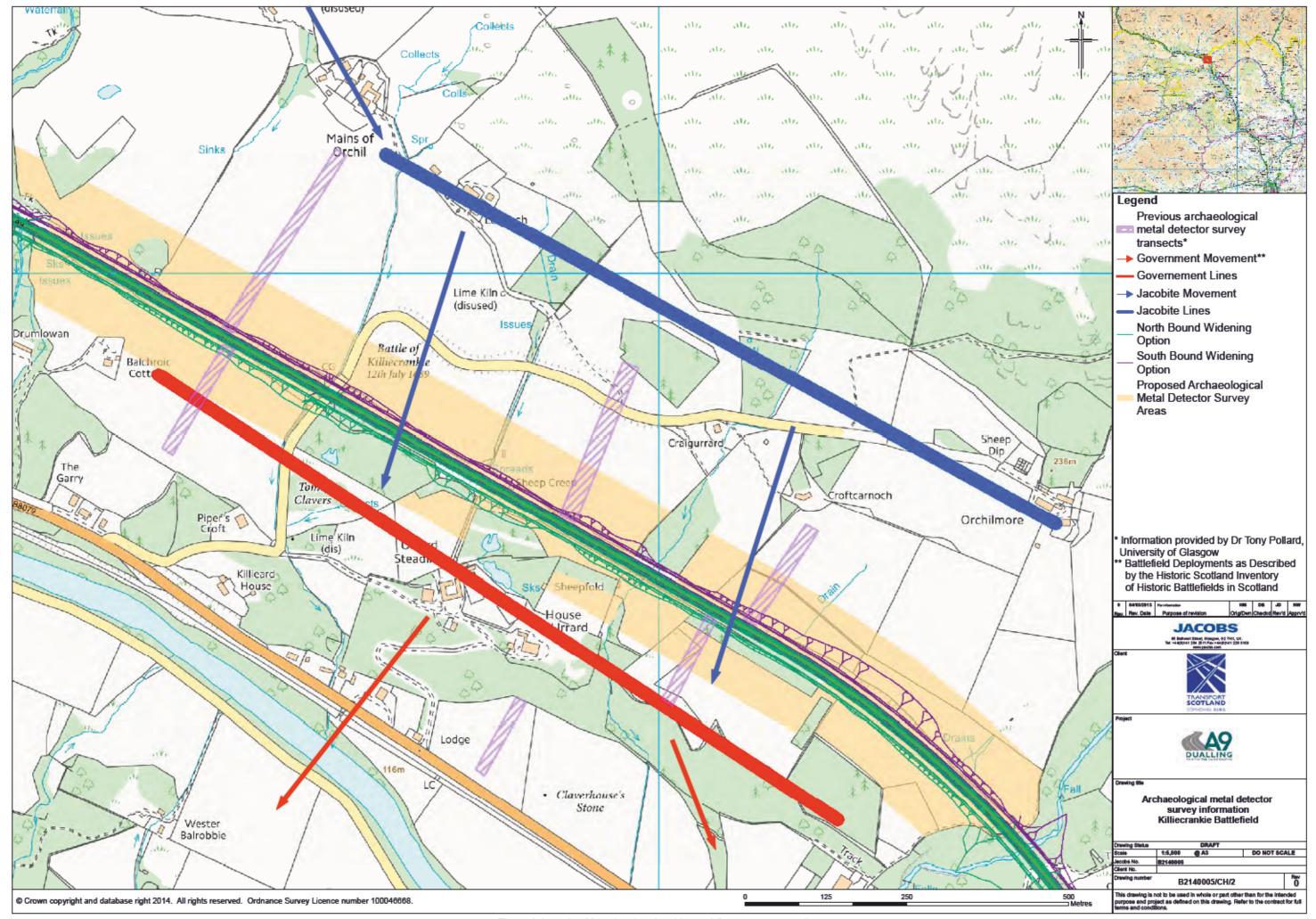


Figure 1: Location Map showing Jacobite and Government troop lines.



Executive Summary

1.1 A metal detecting survey (plate 1) was carried out by GUARD Archaeology Limited in collaboration with the Centre for Battlefield Archaeology, University of Glasgow, at the perceived location of Killiecrankie Battlefield to the south of Blair Atholl, Moulin Parish, Perthshire (figures 1 and 2). The work was carried out for Jacobs UK Limited on behalf of Transport Scotland to inform the cultural heritage input into the Design Manual for Roads and Bridges Stage 2 Assessment for the Killiecrankie to Pitagowan project. The survey focused on a linear stretch of land to the north and south of the existing A9 road comprising



Plate 1: Metal Detectorists in Field 13.

the Battlefield site. Investigations were carried out in accordance with the Project Specification (Jacobs 2015), Historic Scotland and CIfA guidelines, with the assistance of metal detecting volunteers from Detecting Scotland (DS) and Scottish Artefact Recovery Group (SARG). On-site professional archaeological guidance was provided by GUARD Archaeology with expert advice from the Centre for Battlefield Archaeology, University of Glasgow. The work was undertaken over five days between the 12th and 16th August 2015 and on 13th October 2015. Significant finds included 41 musket/carbine/pistol balls, six copper alloy buttons, two buckles, four horse shoe and horseshoe fragments, several fragments of a copper alloy bangle, a copper alloy pendant, a copper alloy harness boss and a part of the support for a sword belt.

Introduction

2.1 This report sets out the results of a metal detecting survey at Killiecrankie Battlefield undertaken by GUARD Archaeology Limited in collaboration with the Centre for Battlefield Archaeology at the University of Glasgow. The work was carried out on behalf of Jacobs UK Limited for Transport Scotland to inform the cultural heritage input into the Design Manual for Roads and Bridges Stage 2 Assessment for the Killiecrankie to Pitagowan project. A total of 25.55ha was surveyed between the 12th and 16th August and on the 13th October (figures 2 - 6). During the course of the survey a total of 558 metal objects were recovered from topsoil deposits across the site of which 244 were retained for further analysis. Discarded finds predominantly comprised of modern fragments of metal including iron,

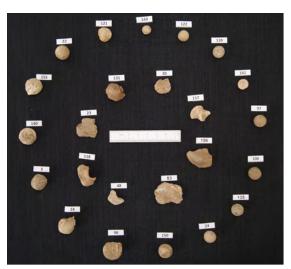


Plate 2: Lead Munition Small Finds.

copper alloy, wire, and aluminium fragments. Significant finds included 41 musket/carbine/ pistol balls (plates 2, 3 and 4), six copper alloy buttons (plates 3 (centre) and 5), two buckles (plates 3 and 7), four horse shoe and horseshoe fragments (plates 4 and 7), several fragments of a copper alloy bangle, a copper alloy pendant, a copper alloy harness boss and a part of the support for a sword belt (plate 7).



174 177 175

182 182 161

178 183

Plate 3: Lead Munition Small Finds.

Plate 4: Lead Munition Small Finds, splatter and carbine.



Plate 5: Possible seventeenth century buckle and buttons.



Plate 6: Possible seventeenth century horseshoe and horseshoe fragments.



Plate 7: Horseshoe fragment, harness boss, pendant, sword belt fitting and shoe buckle.



Site Location, Topography and Geology

- 3.1 Killiecrankie Battlefield lies within a steep v-shaped valley, approximately 4 km from the village of Blair Atholl which is located to the north-west. It is situated on the steep southern slopes of Creag Eallaich which rises to a maximum height of 509 metres AOD, with most of the Battle taking place on a terrace around 150 metres AOD (Banks and Pollard 2004).
- 3.2 Today the Battlefield site is bisected by the present A9 road and comprises predominantly of enclosed fields (referred to in this report as F1, F2 and so on.) used for both animal pasture and crop production. Several areas of forestry are also present although mostly found on the less steep southern side. They did not undergo survey (figure 2). The ground cover predominantly comprised of short grass due to animal grazing, although several areas of F7, F15 and F17 (figure 2) were very overgrown comprising rough grass and thistles on the periphery of bird feeding/ nesting areas which made survey of these areas difficult and in the case of F7 impossible; F2 was in flood with waterlogged conditions on the periphery. Survey was also limited in F12 due to information provided during the 2003 survey (Banks and Pollard 2004) of it comprising of made ground; an apparent man-made bund was observed at the north end of this field during the survey. Only one north-west/south-east transect was surveyed across the field which confirmed this due to the recovery of modern material, such as numerous foil cigarette papers and ringpulls which were not found elsewhere during the present survey, no artefacts of antiquity were recovered from this field. The area under survey varied between 150 and 190 m AOD with the slope generally south facing.
- 3.3 The underlying solid geology comprises Semipelite and Micaceous Psammite (Killiecrankie Schist), while the drift geology comprises Devensian Till deposits of sand and gravel (Jacobs, 2015).

Archaeological Background

- 4.1 The Battle of Killiecrankie represents the opening battle of the first Jacobite Rising in Scotland and took place on the 27th July 1689 between the government army of William of Orange and Jacobite forces led by John Graham of Claverhouse, 1st Viscount Dundee (Bonnie Dundee) under the standard of the deposed King James VII. Both armies, following a prolonged game of cat and mouse, came face to face on the slopes of Creag Eallaich whilst trying to reach Blair Atholl which they intended to use as a base. The Jacobite army, who arrived first, were located on the higher ground around the 200 metre contour and the Government army at the base of the hill. Both armies sniped and skirmished for most of the day until the evening around 8pm when the Jacobite army charged downhill in a classic Highland charge, shielded by a series of natural terraces from Government shooting. During this charge Dundee was fatally wounded although his army won the day despite heavy losses on both sides; around 800 men were lost on the Jacobite side and around 2,000 on the Government side. The rout of Government troops which followed the Battle lasted for several miles and is particularly remembered due to one Government soldier making the 'soldiers leap' across the River Garry (Historic Scotland 2015).
- 4.2 Following the Battle the campaign continued despite the death of Dundee with the Jacobites losing to the Government army at Dunkeld on 21st August 1689. The campaign finally ended in 1691 with William offering the Highland clans a pardon for an oath of allegiance.
- 4.3 In 2003, as part of the TV programme 'Two Men in a Trench' a programme of archaeological works including metal detecting, geophysical survey, excavation and topographic survey was carried out (Pollard and Oliver 2003) which mostly confirmed the contemporary written accounts of the Battle. Artefacts including personal items such as buttons and munitions including musket balls and a fragment of hand grenade were recovered from the site.
- 4.4 The survey also established that the Scheduled Monument known as the Claverhouse Stone (NMRS No. NN96SW2), located out with the survey area to the south, was indeed the location of the Government baggage train which was looted by the Jacobite side following the battle. The Stone is actually a prehistoric standing stone which predates the Battle by several thousand years.



4.5 The Scheduled Monument known as Tomb Clavers (NMRS No. NN96SW3) located to the southwest of the present survey area, and again out with the survey area, was believed to be the tomb of the Officers, based on the Old Statistical Account which mentions the discovery of bones. However, work in 2003 did not discover evidence of human remains and it was interpreted as a memorial site rather one of burial, and the site was de-scheduled following the results of the 2003 project. No burials have been found to date at the Battle site although the high death toll would suggest they are present. Urrard House (NN96SW46) is thought to be the most likely location due to the fighting taking place in this locale.

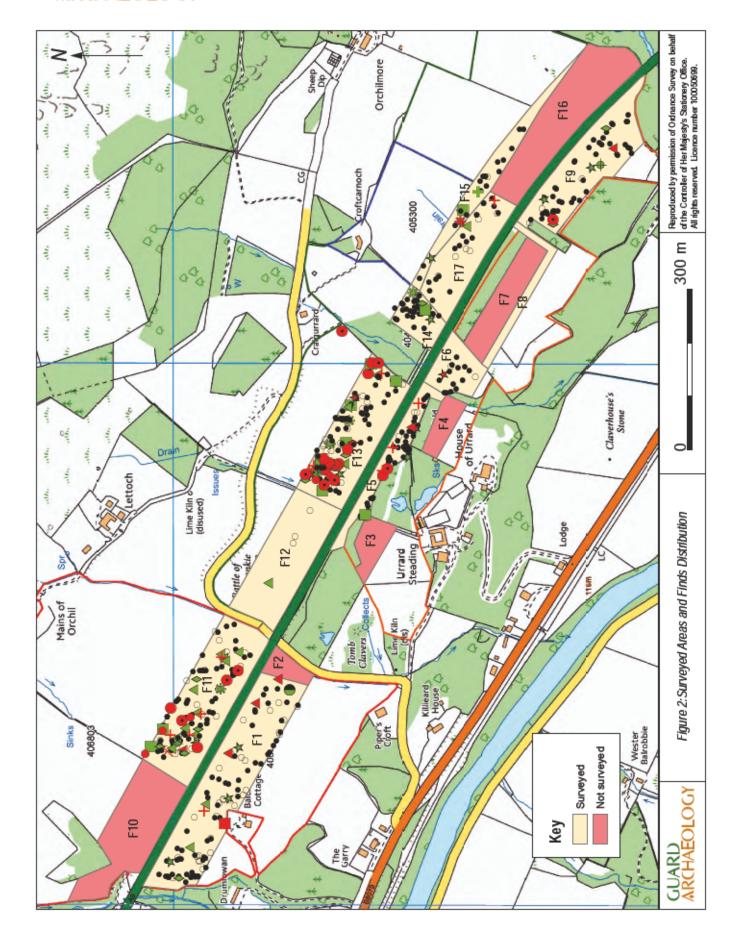
Aims and Objectives

- 5.1 The primary aim of the metal detecting survey was to inform the DMRB Stage 2 and the DMRB Stage 3 Assessments. Other aims were to:
 - augment studies undertaken by Historic Scotland to inform the inventory of Historic Battlefields and the archaeological investigations undertaken in 2003 (Pollard and Oliver 2003);
 - engage with the public through using a metal detecting group or society. Where feasible they were to be from communities local to the battlefield or along the existing A9;
 - disseminate the results of the archaeological metal detecting survey through the deposition of an ordered archive and detailed report at the National Monuments Record of Scotland (NMRS) and
 - disseminate the results through one or more of the following means via the A9 newsletter, Transport Scotland's website, social media or through a press release. This work will be undertaken by the consultant and shall be based on the report prepared by GUARD Archaeology Limited.

Methodology

- 6.1 Archaeological metal detecting survey was undertaken within the survey areas shown on Figure 2.
- 6.2 Only high performance metal detectors, which had a discrimination mode to allow non-ferrous, ferrous or all metals to be targeted, was employed for the duration of the survey.
- Running from south to north, each field was allocated a unique identification number (e.g. F1). Within each field the archaeological metal detecting survey was undertaken in linear transects tied into the National Grid using a sub-cm GPS (accurate to +/- 0.1m relative to established control). Transects did not extend beyond the boundary of the survey area. As this sample size is suitable for prospection, 10 m transects were used. The exceptions to this were F5, F6, F8 where due to their small size the whole field was metal detected, and F11, F13, F14 and F15 where transects were at 5 m intervals. The latter areas were surveyed in this manner due to the concentration of finds identified during the initial survey or that it was in these areas that much of the fighting is thought to have taken place (Banks and Pollard 2004), and therefore additional metal detecting was undertaken to meet the aims and objectives of the survey.
- 6.4 All readings were investigated but any object potentially buried at a lower depth than the topsoil was not recovered. In order to investigate a reading the sod was removed and left to one side. The required amount of topsoil was then removed to establish what the reading was. Once the reading was investigated and recorded the excavated topsoil was then replaced, compacted and the sod restored.
- 6.5 The location of each metal detector reading where an object had been recorded and/or where the object remains buried beneath the topsoil was recorded to Ordnance Survey datum and National Grid (accurate to +/-0.1m relative to established control). Each reading or object that







- was recorded was allocated a unique identification number by GUARD Archaeology, which incorporates the field identification number and the transect identification number. Items that were deemed by the Battlefield expert and GUARD Archaeology Field Director to be modern and not therefore significant in the interpretation of the battle, were left in situ after recording.
- All artefacts recovered were retained and removed from site by GUARD Archaeology for assessment by an appropriately experienced finds specialist. GUARD Archaeology sought advice from a suitably qualified conservator with regard to the appropriate storage of materials of recovered metalwork. All recording, cleaning, storage and conservation of finds was in accordance with advice of the Conservator and the Chartered Institute for Archaeologist's Standard and Guidance for the collection, documentation, conservation and research of archaeological materials (CIfA 2014b).

Results

- 7.1 All fields are referred to using the abbreviated form F1 for Field 1, while all finds are referred to in the text using the abbreviation SF (Small Find). Figures 3 5 depict the small finds as numbers only, due to space being limited. The results from the 2003 Metal detecting survey are overlain on the 2015 survey for comparison in Figure 6. The results of the 2015 survey are described collectively and as three separate parts, north-west end, central area and south-east end for ease of discussion. How these results compare with the 2003 results is then discussed.
- 7.2 During the course of the survey a total of 558 metal objects were recovered from topsoil deposits across the site of which only 244 were retained for further analysis. Following preliminary investigation, 56 objects are of possible battle origin and/or of similar date (figures 3-6). These include musket/carbine/pistols balls (SF 3, 14, 20, 22, 23, 24, 48, 83, 97, 98 106, 117, 118, 121, 122, 131, 135, 139, 140, 141, 143, 150, 155, 156, 160, 161, 164, 172, 174, 175, 177, 178, 182, 183, 197, 199, 200, 203, 216, 225 and 230), horse shoe and horse shoe fragments (SF 13, 17, 89 and 165), two buckles (SF 72 and 176), six buttons (SF 9, 18, 57, 67, 71 and 221), a pendant SF 191, a harness boss SF 206 and a part of the supporting strap for a seventeenth century sword belt SF 220 (Natasha Ferguson and Stuart Campbell, Treasure Trove Unit (TTU) pers. comm.). Other items of interest include a fragmentary copper alloy bangle of unknown date (SF 85), a possible sharpening implement (SF 8) and a nineteenth century copper alloy household livery button of the Murray family of Blair Atholl (SF 47) (Natasha Ferguson, TTU pers. comm.).
- 7.3 Finds such as modern wire, aluminium, iron bolts, screws, nails and agricultural machinery fragments were not retained and left in the ground where they were found and their position recorded. These discarded stray finds were found throughout the survey area with less recovered from field F17 (figure 2), where the vegetation was longer, resulting in a much reduced detection depth. Field F7 was not surveyed due to the vegetation being very thick and at head height, intended for bird shelter in winter.
- 7.4 The results of the survey have been divided into three areas for ease of description encompassing the north-west end (fields F1, F10 and F11), the central area (fields F3, F4, F5, F12 and F13) and the south-east end (fields F6, F7, F8, F9, F14, F15, F16 and F17). The surveyed areas encompass the full north-west/south-east extent of both Jacobite and Government lines (figure 1) although prior to battle commencing both troop lines were positioned further to the north and south of the survey area. The Jacobite soldiers were positioned on the high ground on the north side of the glen, around the 200 m contour line, and the Government troops to the south on a terrace just to the north of Urrard House (Banks and Pollard 2004).

7.5 The North-West End

7.5.1 The north-west area encompassed three grass covered fields (F1, F10 and F11) used for animal grazing. Their topography sloped downwards towards the south with at least four visible terraced areas present in F11, although only the lowest was incorporated into the survey area (plate 8). This terrace was located in the south-eastern area of the field, with the western area more topographically even with little undulation and with a southern gradient (plate 9). A further terraced area was noted in F1 to the south of the A9 in the north-west area. The rest of



this field was relatively even, again with a southern gradient. At least three clusters of finds were present within the north-west area, at its-western end, central area and eastern end (plate 10). The finds included 13 munitions shots, four of which were impacted, a part of the supporting strap for a seventeenth century sword belt (Stuart Campbell and Natasha Ferguson, TTU pers. comm.) (SF 220) and a possible seventeenth century button (SF 221; plate 3 (centre)). Other finds included two coins and a buckle (figure 3). F10 was not surveyed due to the presence of livestock comprising cows and calves. The south-east end of F11 was also not surveyed due to waterlogging and marshy conditions.





Plate 8: Field 11 from the north-west.

Plate 9: Field 11 from the east.



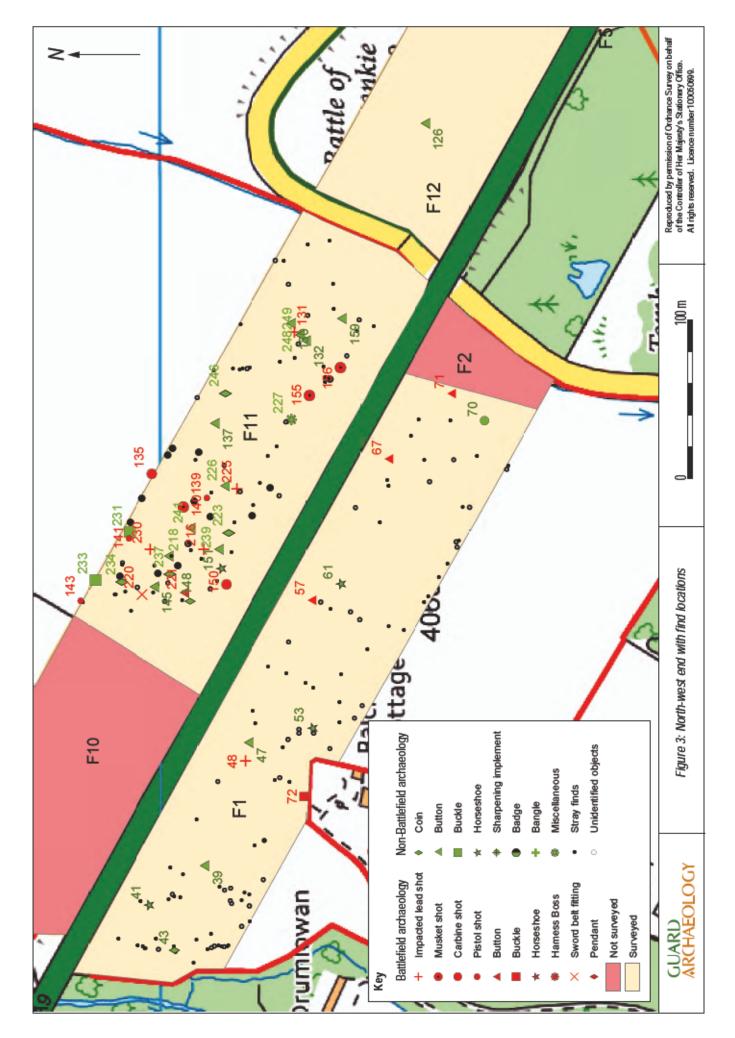
Plate 10: Metal Detectorists in Field 11.

7.5.2 Of the 13 lead munitions or their impacted remains located in the north-west area, all but one were found in F11. These included the remains of musket, carbine and pistol balls. Of these, three were located along the raised terraced area in the south-east corner of F11 (SF's 131, 155 and 156) and nine in the non-terraced, more topographically even area to its west (SF's 135, 139, 140, 141, 143, 150, 216, 225 and 230). One other, comprising the 'splattered' remains of unidentifiable shot, was found to the south of the A9 in F1 and was located in the terraced area in the western side of the field (SF 48). No munitions were found in the central and eastern areas of F1 which were topographically even, although three copper alloy buttons of possible seventeenth century date were located in this area (SF 57, 67 and 71). A small copper alloy buckle (SF 72) was also found in the southern area on slightly raised ground adjacent to the present farm building of Balchroic cottage. Four horseshoe fragments were recovered from this area with three located to the south of the road and one to the north. All except SF 41 were located on ground of lesser gradient (SF's 53, 61 and 150) and all were found in the western half of this area. Unfortunately all horseshoes from this area post-dated the battle and were therefore unrelated. Seven other copper alloy buttons were also found in the north-west area but like the horseshoes are of probable post-seventeenth century date.

7.6 The Central Area

7.6.1 The central area comprised four fields F3, F4, F5, F12 and F13 and one garden area. F12 and F13 were located to the north of the A9 and were used for growing silage crop. This had recently been cut and removed from the field leaving only stubble remnants. Both fields sloped quite







steeply towards the A9 with terracing evident in F13 although this was to the north and out with the survey area. Only one north-west/south-east transect was surveyed in F12 due it being made ground (Tony Pollard and Iain Banks pers. comm.), an artificial bund is apparent to the north of F12 which substantiates this fact. F5 to the south of the road was a long, narrow strip of ground bounded by the A9 and its artificial embankment to the north and strips of woodland and the walled garden of Urrard House to the south. This area was under pasture with a covering of short grass. F4 was not surveyed due to it being within Urrard House walled garden and neither was F3 at Urrard Steadings due to the presence of horses.

7.6.2 In total 24 munitions, six horse shoe fragments (three of possible seventeenth century date (SF17, 89 and 165)), one button (SF18), a buckle (SF176) and a copper alloy pendant (SF 191), all of possible seventeenth century date were recovered. Several other artefacts were also retrieved but were later in date (figure 4). The munitions were found in two main clusters in the western and eastern extent of F13. The western cluster may continue through to F5 (figure 4). The western side contained two pistol shots (SF's 117 and 122), three musket balls (SF's 22, 118 and 121) and seven carbine shot, one unknown shot (SF 24) and the remains of three splattered munitions (SF 23, 20 and 172). In the eastern extent one pistol/carbine shot (SF 97) and one musket ball (SF 98) and again an unknown munitions that had splattered on impact (SF 14) as well as an impacted musket ball SF200 in F13. A copper alloy pendant (SF 191) of possible seventeenth century date was also recovered here. F12 produced only four finds of no significance including a copper alloy button (SF126) of modern date. A musket ball (SF203) was also recovered from an area to the north of the survey area (figure 4).

7.7 The South-East End

7.7.1 This area comprised of eight separate fields F6, F7, F8, F9, F14, F15, F16 and F17 located to the north and south of the A9. Area F7 was not surveyed due to its extremely long vegetation (plate 11) and F16 due to the presence of young bullocks. Topographically the area was similar to those areas to the north-west and centre comprising a south facing slope. However, it appeared to lack the obvious terracing which the other areas contained, although was still quite undulating in places, particularly area F14. Finds were also fewer and more sporadic and probably reflected the very coarse, long grass which occupied this area, particularly F17 which proved difficult to survey (plate 12). Fields 6, 9 and 14 had relatively short grass and yet, fewer finds were recovered in these areas than those areas in the north part of the survey area (figure 5).



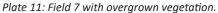
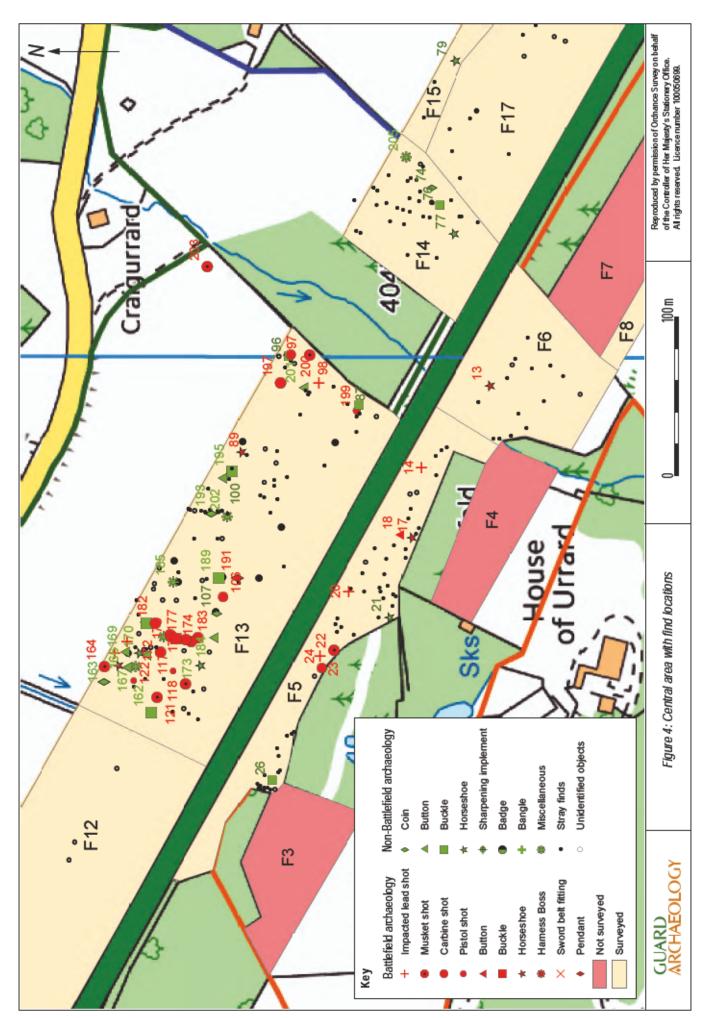




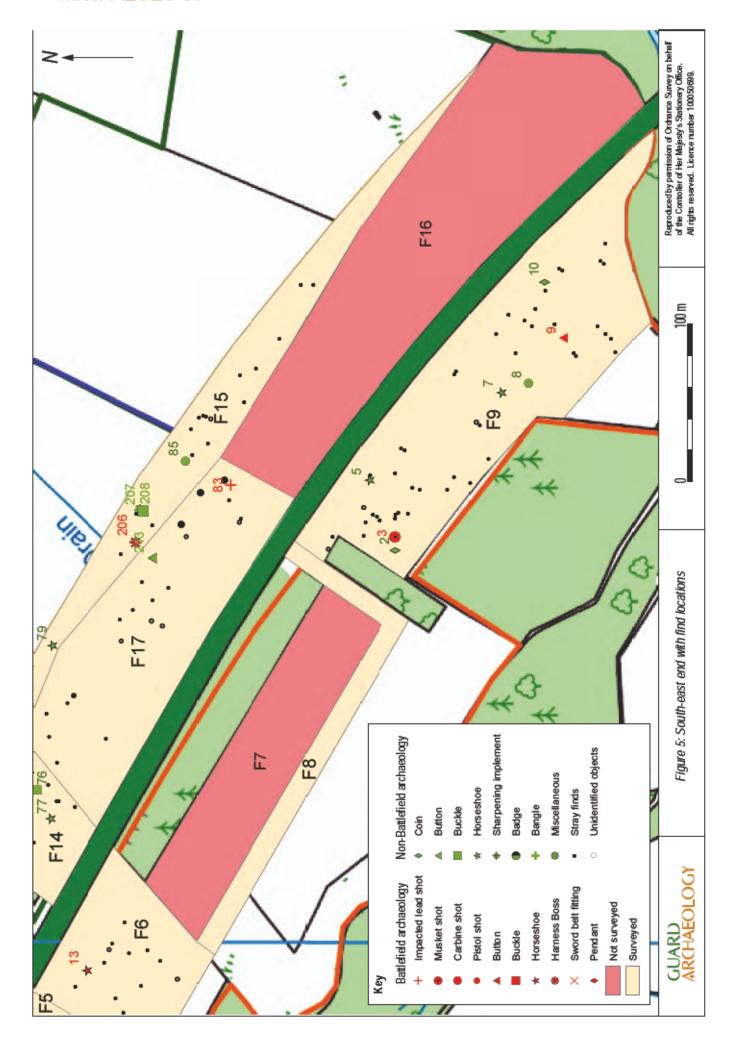
Plate 12: Field 17 with overgrown vegetation.

- 7.7.2 F14 to the north of the road produced several unrelated finds which post date the Battle including a horse shoe (SF 77), buckle (SF 76) and a coin (SF 74). Field 17 to its immediate east produced one significant find an unidentified munition splatter (SF 83) and several possible unidentified objects of probable post-seventeenth century date. F15 produced two significant finds, a fragmentary bangle SF 85 of unknown date, a post-seventeenth century horseshoe (SF79) and an intricate copper alloy harness boss SF206.
- 7.7.3 F6 to the south-west produced a complete horseshoe characteristic of the period and therefore, a significant find. While F9 produced one solitary musket ball (SF 3) in its south-west corner and a copper alloy button (SF 9) of possible seventeenth century date. Other finds appeared post-

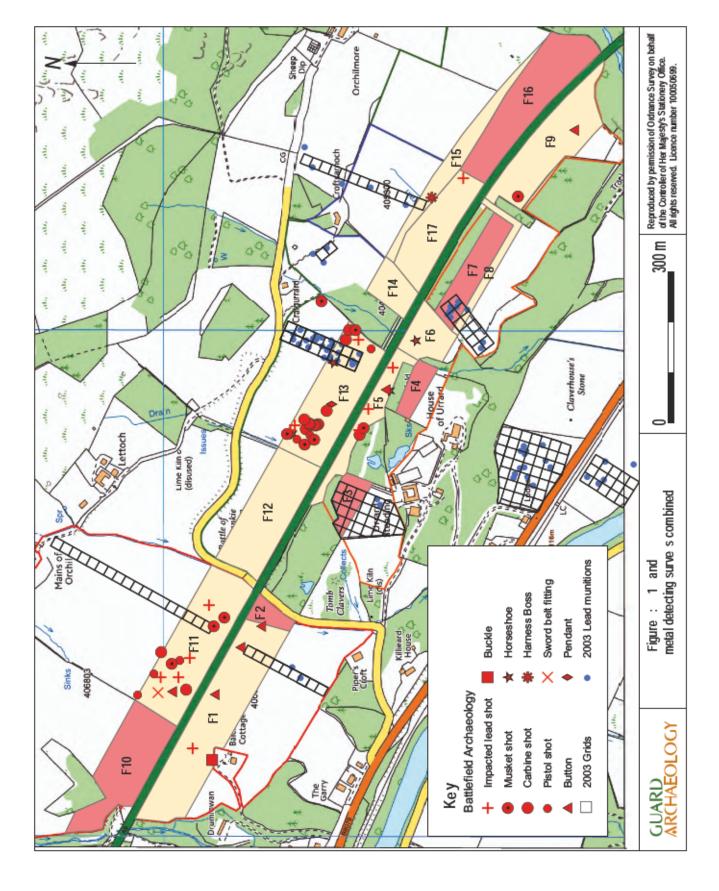














- seventeenth century in date including two coins (SF 2 and 10), two horse shoe fragments (SF 5 and 7) and a possible sharpening implement of unknown date (SF 8).
- 7.7.4 A large number of artefacts were recovered which were not retained and left in topsoil deposits where they were found. These finds (given SF 500 prefix) were located quite regularly throughout the survey area and are generally modern in date. The fact that quite a few were still found in those areas which were difficult to survey, such as F17, would suggest that despite the vegetation cover overall detection capability was not completely inhibited. However, several of these fields, such as the aforementioned F17 and F15 do not appear to have undergone agricultural ploughing. No plough marks such as rig and furrow were evident on the surface and it could suggest the possibility that these fields may have remained relatively undisturbed over the last few centuries.

Archaeological Interpretation

- 8.1 The material recovered from the battlefield supports the identification of the site made in 2003 by the Two Men in a Trench project (Banks and Pollard, 2004). The distribution of material across the survey area indicates the widespread nature of the battlefield, and indicates the high level of survival of material remains relating to the battle. This is emphasized by the recovery of 41 lead projectiles while using 10 m transects in most areas, except those areas nearest Urrard House which were 100% surveyed. The finds suggest that a much larger quantity of material might survive and would provide data for ever more effective interpretation. The results from F11/F1 and F13/F5 are particularly interesting due to the high number of munitions in each area, collectively equating to almost 80% of the total assemblage recovered during these recent surveys. Over 56% of the munition assemblage was recovered from F13/F5 and 31 % of the munitions were recovered from F11/F1. This high number of munitions might be due to the heavy fighting which is thought to have occurred around Urrard House during the battle. These figures can be interpreted using the accounts of the battle and the previous findings from the 2003 survey for Two Men in A Trench.
- 8.2 The Battle of Killiecrankie is a site of national significance, shown by its inclusion in the Inventory of Scottish Battlefields, because of its key role in the first Jacobite rising of 1689. While a Jacobite victory, the loss of Viscount Dundee in the fighting deprived the Jacobites of an effective and charismatic leader, and the rising faltered after the failure to take Dunkeld, finally coming to an end on the Haughs of Cromdale the following year. The material recovered from the current survey is considered here with the material from the 2003 project to enhance understanding of the choreography of the battle, and will not be considered in isolation.
- 8.3 The recovery of projectiles was greater on the Jacobite left flank than on the right (Blair Atholl rather than Pitlochry), which is in agreement with the results of the 2003 project and the account of General Mackay (http://digital.nls.uk/scotlandspages/timeline/1689.html). In his account of the battle, Mackay was dismissive of his experienced troops on the government left flank, who he said barely fired a shot. MacKay's account describes his troops as fleeing the field, "so that in the twinkling of an eye ... our men, as well as the enemy, were out of sight, being got down pall mall to the river where our baggage stood". The results of the 2003 survey supported this account, with very little in the way of lead munitions recovered on the supposed Jacobite right flank. The present survey recovered 58% of all projectiles on the position of the Jacobite left flank, as opposed to 32% of the same assemblage on the Jacobite right flank. In addition to the statements by Mackay about the government left, he also reported that the majority of the 800 Jacobite casualties were on the Jacobite left (i.e. closest to Pitlochry). This means that the Pitlochry side of the battlefield would be expexted to have a higher concentration of munitions than the Blair Atholl side, an interpretation that was thoroughly supported by the 2003 results as well as these most recent surveys in 2015.
- 8.4 The 2003 survey had shown, albeit using specific targeted grids covering 48, 400 m² (4.84 hectares), that there was a higher incidence of munitions in the areas north, south and east of Urrard House (figure 6), with the highest concentration recovered from the grid directly NNE of Urrard House; 25 lead munitions were recovered from this 6,400 m² area. During the 2003



survey a total of 14, 13 and five lead munitions were recovered from the areas to the east, south and extreme south of Urrard House respectively (figure 6), further substantiating the interpretation that the fighting concentrated around Urrard House. A total of five lead munitions were recovered from the area east of the Lagnabuaig farmstead, possible representing the engagement with those in the sniper position in Mackay's account. In the linear transect west of the A9 underpass only two lead munitions were recovered on the south side of the road with a single lead munition recovered from the Urrard Steading fields, corresponding to F3 in the 2015 survey area. It should be noted that the survey in 2003 was conducted on a grid system where each 400 m² (20 m by 20 m) grid was 100% surveyed, not the transect system used most recently. From the total of 64 munitions recovered in 2003, 39 % were recovered from the grid which coincides with F13 in the most recent survey. What could not be said in 2003, due to the limited scope of the survey area, was that there are two clusters in this area leading north to south across the line of the A9, as observed in paragraph 7.7 above. The most recent survey therefore, in pursuing even statistical coverage, has enhanced the interpretations drawn from the 2003 data, showing that the distribution of munitions in this area is real and not manufactured by targeted grids.

Discussion

- 9.1 The metal detecting survey at Killiecrankie Battlefield site has produced a number of significant finds relating to the battle including musket/carbine and pistol balls. Significant finds included 41 musket/carbine/pistol balls, copper alloy buttons, two buckles, four horse shoe and horseshoe fragments, several fragments of a copper alloy bangle, a copper alloy pendant, a copper alloy harness boss and a part of the support for a sword belt.
- 9.2 The highest density of these finds appears to be in the central area and to a lesser extent in the north-western area of the survey, with fewer artefacts recovered in the south-east area. This dearth of finds in the south-east is likely to be due to the main focus of the battle being in the central and north-west areas, in the direction of Blair Atholl which the Government army was attempting to reach. The north-west and central areas were particularly steep with natural terracing along the hillside which would have afforded cover to the Jacobite troops as they made their way down the valley sides, dipping in and out of view, towards the Government soldiers on the day of the battle (Banks and Pollard 2004). The recovery of artefacts such as musket, carbine and pistol balls from these areas provides information on the route the soldiers took during the battle and the possible areas of close combat where personal items such as buttons and buckles were lost.
- 9.3 Interestingly most of the recovered munitions appear to be on the north side of the A9 and on those areas which are more topographically even despite the southern gradient. The presence of the pistol balls in particular would suggest close quarters fighting as the effective range would be 25 -30 m; carbines and pistols were used by cavalry in the main, while pistols were also largely a weapon used by officers (lain Banks, pers. comm.). Many of the recovered munitions revealed evidence of use, with several containing surface indentations (SF 98), whilst others appeared completely flat (SF 83) having lost their spherical shape (plate 13). Lead is a very soft, malleable metal with a low melting point of only 327 degrees centigrade. When a lead ball is shot through a weapon the firing velocity and temperature increases making this already soft metal more malleable. The result is that on impact the ball can easily deform, at times completely losing it shape, becoming a 'splatter'. However, the low melting properties of lead had an advantage in the field in that the balls could be easily manufactured over a domestic fire (Shopland 2005). Once molten the lead was then poured into a 2-part cavity mould and following solidification the excess lead along the mould seam and 'sprue' were trimmed. Evidence of the mould seam and sprue is still observable on pistol shot SF 143 (plate 14) which could suggest that this munition ball has not been fired. During the confusion of battle it could easily have been dropped. A part of the support for a seventeenth century sword belt SF220 (plate 7) was recovered from F11 during the most recent survey, this object was identified at short notice with assistance from Natasha Ferguson and Stuart Campbell, TTU. No other weaponry related items were recovered during the present work programme; any weapons presumably were removed following the battle to be re-used at a later date.







Plate 13: Splattered and Impacted Munitions SF 83 and

Plate 14: Pistol Shot SF 143 with casting sprue remnant.

- 9.4 Few horse shoes were also located and only four of possible Killiecrankie date (plates 6 and 7). In the seventeenth century horse shoes tended to be larger and heavier than earlier periods with nail holes around the whole shoe including the toe area (Shopland 2005). Unfortunately due to corrosion it was difficult to observe the shape and position of many of the holes. However, the 'keyhole' shape of horse shoe SF 13 would indicate that it is of earlier date (Shopland 2005, lain Banks pers comm.). The three horseshoe fragments were found in relative close proximity in fields F5, F6 and F13. From historical accounts the cavalry is said to have moved downhill, across the central area of the survey area, which does not appear to be as steep as those areas further to the north-west.
- 9.5 Most of the buttons recovered comprised of copper alloy and were roughly circular in shape (plates 3 and 5) with remnants of a pin at the rear with SF 221 being almost spherical with an eyelet on the reverse. According to lain Banks (per comm.) the morphology and design of these buttons would suggest that they are of an earlier, probable seventeenth century date. The pendant recovered from F13 may be of seventeenth century date but will require comparison with similar material to confirm this. The harness boss recovered from F15 is also interpreted as of the correct period, again this could be further substantiated with the comparison of the item with similar objects of the period.
- 9.6 In combining the results from the 2003 survey results, while acknowledging the variability in terms of survey technique and targeting, the account of Mackay does appear to reflect the pattern of distribution in the munitions and other finds. The munitions concentrations continue southwards beyond Urrard House, perhaps reflecting the direct line of retreat downslope towards the River Garry before the surviving soldiers fled along with Mackay to Stirling.

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A9 Dualling Programme Killiecrankie to Pitagowan: Archaeological Metal Detecting Survey at Killiecrankie Battlefield

Section 2: Appendices



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Appendices

Appendix A: Bibliography

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Appendix B: List of Finds

| Find No. | Field No. | Transect No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|-----------|-----------------|----------------|------------------|----------|----------|--|
| 1 | F9 | T41 | 001 | 1 | Metal | Iron | nail |
| 2 | F9 | T43 | 001 | 1 | Metal | Cu | 1912 coin |
| 3 | F9 | T44 | 001 | 1 | Metal | Lead | impacted musket ball |
| 4 | F9 | T46 | 001 | 1 | Metal | Cu alloy | cylindrical metal frag |
| 5 | F9 | T47 | 001 | 1 | Metal | Iron | horseshoe frag |
| 6 | F9 | T51 | 001 | 1 | Metal | ?Steel | lump |
| 7 | F9 | T53 | 001 | 1 | Metal | Iron | horseshoe frag |
| 8 | F9 | T54 | 001 | 1 | Metal | Iron | possible sharpening implement |
| 9 | F9 | T57 | 001 | 1 | Metal | Cu alloy | button, possible 17th century date |
| 10 | F9 | T61 | 001 | 1 | Metal | Cu alloy | George V coin (1910?) |
| 11 | F5 | N/A | 001 | 1 | Metal | Cu alloy | heart shaped brooch (post-17th century) |
| 12 | F5 | N/A | 001 | 1 | Metal | Cu alloy | plate fragment |
| 13 | F6 | N/A | 001 | 1 | Metal | Fe | horseshoe, possible early date |
| 14 | F1 | T2 | 001 | 1 | Metal | Lead | splatter (munition) |
| 15 | F1 | T2 | 001 | 1 | Metal | Cu alloy | possible object |
| 16 | F1 | T2 | 001 | 1 | Metal | Lead | lead plate |
| 17 | F5 | N/A | 001 | 1 | Metal | Fe | horseshoe (part of), possible early date |
| 18 | F5 | N/A | 001 | 1 | Metal | Cu alloy | Button – no decoration, possible 17th century date |
| 19 | F1 | T5 | 001 | 1 | Metal | Cu alloy | possible object |
| 20 | F1 | T5 | 001 | 1 | Metal | Lead | splatter (munition) |
| 21 | F5 | N/A | 001 | 1 | Metal | Iron | horseshoe (later in date) |
| 22 | F5 | N/A | 001 | 1 | Metal | Lead | musket ball |
| 23 | F1 | T6 | 001 | 1 | Metal | Lead | splatter (munition) |
| 24 | F5 | N/A | 001 | 1 | Metal | Lead | carbine/pistol ball |
| 25 | F1 | T2 | 001 | 1 | Metal | Fe | bullet (0.22) |
| 26 | F5 | N/A | 001 | 1 | Metal | Fe | buckle (later in date) |
| 27 | F1 | T13 | 001 | 1 | Metal | Lead | tube (flat) |
| 28 | F1 | T15 | 001 | 1 | Metal | Fe | metal object |
| 29 | F1 | T2 | 001 | 1 | Metal | Cu alloy | circular object |
| 30 | F1 | T2 | 001 | 1 | Metal | Fe | frag? object |
| 31 | F1 | T2 | 001 | 2 | Metal | Fe | harness/harness chain link (later in date) |
| 32 | F1 | T3 | 001 | 1 | Metal | Fe | nail (square head) |



| Find No. | Field No. | Transect No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|-----------|-----------------|----------------|------------------|----------------|----------------|---|
| 33 | F1 | T5 | 001 | 1 | Metal | Fe | file/blade |
| 34 | F1 | T5 | 001 | 1 | Metal | Fe | nail |
| 35 | F1 | T5 | 001 | 1 | Metal | Fe | nail (square) |
| 36 | F1 | T6 | 001 | 1 | Metal | Fe | large nail (square) |
| 37 | F1 | T6 | 001 | 1 | Metal | Fe | large nail |
| 38 | F1 | T6 | 001 | 1 | Metal | Cu alloy | bullet casing |
| 39 | F1 | T7 | 001 | 1 | Metal | Cu alloy | Button – no decoration |
| 40 | F1 | T5 | 001 | 1 | Metal | Fe | hammer? |
| 41 | F1 | T5 | 001 | 1 | Metal | Fe | frag of horseshoe |
| 42 | F1 | T2 | 001 | 2 | Metal | Fe | possible objects |
| 43 | F1 | T2 | 001 | 1 | Metal | Cu alloy | coin |
| 44 | F1 | Т9 | 001 | 1 | Metal | Fe | machinery key |
| 45 | F1 | T13 | 001 | 1 | Metal | Fe | ring (twisted metal) |
| 46 | F1 | T15 | 001 | 1 | Metal | Alloy | frag |
| 47 | F1 | T15 | 001 | 1 | Metal | Cu alloy | 19th century livery button of Murray family |
| 48 | F1 | T14 | 001 | 1 | Metal | Lead | splatter (munition) |
| 49 | F1 | T16 | 001 | 1 | Metal | Lead | lead pipe |
| 50 | F1 | T16 | 001 | 1 | Metal | Alloy/Lead | possible vessel fragment (unknwn date) |
| 51 | F1 | T16 | 001 | 1 | Metal | Lead | pipe frag |
| 52 | F1 | T16 | 001 | 2 | Metal | Cu alloy | button |
| 53 | F1 | T16 | 001 | 1 | Metal | Fe | horseshoe frag (later in date) |
| 54 | F1 | T17 | 001 | 1 | Metal | Cu alloy | plate (sheet) |
| 55 | F1 | T18 | 001 | 1 | Metal | Fe | nail head |
| 56 | F1 | T22 | 001 | 1 | Metal | Fe | tweezer object |
| 57 | F1 | T25 | 001 | 1 | Metal | Cu alloy | button (possible 17th century date) |
| 58 | F1 | T25 | 001 | 1 | Metal | Cu alloy | cylinder |
| 59 | F1 | T24 | 001 | 1 | Metal | Cu alloy | modern button |
| 60 | F1 | T24 | 001 | 1 | Metal | Fe | buckle/harness frag |
| 61 | F1 | T26 | 001 | 1 | Metal | Fe | horseshoe frag |
| 62 | F1 | T31 | 001 | 1 | Metal | Alloy | possible object |
| 63 | F1 | T28 | 001 | 1 | Metal | Fe | nail frag |
| 64 | F1 | T29 | 001 | 1 | Metal | Lead | frag |
| 65 | F1 | T31 | 001 | 1 | Metal | Fe | ring (twisted metal) |
| 66 | F1 F1 | T34 | 001 | 1 | Metal Metal | Fe Cu alloy | bar button – no decoration (possible 17th century date) |
| 68 | F1 | T33 | 001 | 1 | Metal | Fe | object frag |
| 69 | F1 | T34 | 001 | 1 | Metal | Cu alloy | cut sheet fragment |
| 70 | F1 | T37 | 001 | 1 | Metal | Alloy | badge with 'Pitlochry' stamp |
| 71 | F1 | T39 | 001 | 1 | Metal | Cu alloy | button (possible 17th century date) |
| 72 | F1 | T12 | 001 | 1 | Metal | Cu alloy | part of buckle (possible 17th century date) |
| 73 | F1 | T13 | 001 | 1 | Metal | Fe | large nail |
| 74 | F14 | T136 | 001 | 1 | Metal | Cu alloy | halfpenny coin |
| 75 | F14 | T135 | 001 | 1 | Metal | Fe | wedge |
| 76 | F14 | T135 | 001 | 1 | Metal | Cu alloy | part of buckle |
| 77 | F14 | T133 | 001 | 1 | Metal | Fe | horseshoe fragment (not enough surviving to date) |
| 78 | F17 | T141 | 001 | 1 | Metal | Fe | unknown object |
| 79 | F15 | T145 | 001 | 1 | Metal | Fe | horseshoe (18-19th century in date) |
| 80 | F17 | T145 | 001 | 1 | Metal | Fe | unknown object |
| 81 | F17 | T146 | 001 | 1 | Metal | Fe | large lump, unknown object |
| 82 | F17 | T146 | 001 | 1 | Metal | Fe | bolt |
| 83 | F17 | T155 | 001 | 1 | Metal | Lead | splatter (munition) |



| Find No. | Field No. | Transect No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|-----------|-----------------|----------------|------------------|----------|------------|--|
| 84 | F15 | T160 | 001 | 1 | Metal | W/zinc | unknown object |
| 85 | F15 | T157 | 001 | 3 | Metal | Cu alloy | fragments of bangle/buckle |
| 86 | F13 | T127 | 001 | 1 | Metal | Fe | unknown object |
| 87 | F13 | T124 | 001 | 2 | Metal | Fe | buckle (later in date) |
| 88 | F13 | T123 | 001 | 1 | Metal | Fe | Object/nail |
| 89 | F13 | T121 | 001 | 1 | Metal | Fe | horseshoe fragment (possible seventeenth century date) |
| 90 | F13 | T121 | 001 | 1 | Metal | Fe | Plate and handle |
| 91 | F13 | T120 | 001 | 1 | Metal | Cu alloy | Strap stud hook |
| 92 | F14 | T138 | 001 | 1 | Metal | Lead (?) | fragment |
| 93 | F17 | T153 | 001 | 1 | Metal | Fe/Alloy | strip |
| 94 | F17 | T152 | 001 | 1 | Metal | Fe | strip/bar |
| 95 | F13 | T127 | 001 | 1 | Metal | Lead | unknown object |
| 96 | F13 | T127 | 001 | 1 | Metal | Cu alloy | buckle? bridal fragment (later in date) |
| 97 | F13 | T127 | 001 | 1 | Metal | Lead | carbine/pistol shot |
| 98 | F13 | T127 | 001 | 1 | Metal | Lead | musket ball |
| 99 | F13 | T119 | 001 | 1 | Metal | Fe | ring (bull ring) |
| 33 | 113 | 1113 | 001 | | ivictai | Aluminium/ | ring (buil ring) |
| 100 | F13 | T119 | 001 | 1 | Metal | Ag | Button compass etch |
| 101 | F13 | T117 | 001 | 1 | Metal | Cu alloy | machine made circular fragment |
| 102 | F13 | T117 | 001 | 1 | Metal | Fe | unknown fragment |
| 103 | F13 | T115 | 001 | 1 | Metal | Fe | small squat nail |
| 104 | F13 | T113 | 001 | 1 | Metal | Steel | modern button |
| 105 | F13 | T112 | 001 | 1 | Metal | Lead | fragment |
| 106 | F13 | T111 | 001 | 1 | Metal | Lead | carbine shot |
| 107 | F13 | T110 | 001 | 1 | Metal | Cu alloy | coin |
| 108 | F13 | T111 | 001 | 1 | Metal | Fe | bullet (modern) |
| 109 | F13 | T111 | 001 | 1 | Metal | Fe | bullet (modern) |
| 110 | F13 | T112 | 001 | 1 | Metal | Cu alloy | hook/strap end? |
| 111 | F13 | T112 | 001 | 1 | Metal | Fe | iron ring (modern) |
| 112 | F13 | T108 | 001 | 1 | Metal | Fe | modern bullet |
| 113 | F13 | T108 | 001 | 1 | Metal | Alloy | modern bullet |
| 114 | F13 | T108 | 001 | 1 | Metal | Fe | unknown object |
| 115 | F13 | T108 | 001 | 1 | Metal | Fe | unknown object |
| 116 | F13 | T109 | 001 | 1 | Metal | Cu alloy | modern fragment |
| 117 | F13 | T106 | 001 | 1 | Metal | Lead | pistol ball splatter |
| 118 | F13 | T105 | 001 | 1 | Metal | Lead | musket ball |
| 119 | F13 | T105 | 001 | 1 | Metal | Lead | unknown object |
| 120 | F13 | T104 | 001 | 1 | Stone? | ? | unknown object |
| 121 | F13 | T104 | 001 | 1 | Metal | Lead | musket ball |
| 122 | F13 | T106 | 001 | 1 | Metal | Lead | pistol shot |
| 123 | F12 | T100 | 001 | 1 | Metal | Fe | unknown object |
| 124 | F12 | T100 | 001 | 1 | Metal | Lead | unknown object |
| 125 | F12 | T100 | 001 | 1 | Metal | Lead | unknown object |
| 126 | F12 | T100 | 001 | 1 | Metal | Cu alloy | button |
| 127 | F11 | T96 | 001 | 1 | Metal | Lead | unknown object |
| 128 | F11 | T95 | 001 | 1 | Metal | Lead | fragment |
| 129 | F11 | T93 | 001 | 1 | Metal | Lead | fragment |
| 130 | F11 | T92 | 001 | 1 | Metal | Cu alloy | button (later in date) |
| 131 | F11 | T92 | 001 | 1 | Metal | Lead | munition ball deformed through use |
| 132 | F11 | T91 | 001 | 1 | Metal | Cu alloy | button stamp on reverse (later in date) |
| 133 | F11 | T91 | 001 | 1 | Metal | Cu alloy | modern sheet fragment |
| 134 | F11 | T89 | 001 | 1 | Metal | Fe | modern machinery fragment |
| 135 | F11 | T83 | 001 | 1 | Metal | Lead | carbine shot |
| | | T87 | 001 | | Metal | | |
| 136 | F11 | 10/ | 001 | 1 | ivietal | Lead | fragment |



| Find No. | Field No. | Transect No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|-----------|-----------------|----------------|------------------|----------|----------|--------------------------------|
| 137 | F11 | T87 | 001 | 1 | Metal | Cu alloy | button |
| 138 | F11 | T84 | 001 | 1 | Metal | Cu alloy | fragment |
| 139 | F11 | T82 | 001 | 1 | Metal | Lead | pistol shot (or small carbine) |
| 140 | F11 | T81 | 001 | 1 | Metal | Lead | musket ball |
| 141 | F11 | T79 | 001 | 1 | Metal | Lead | pistol shot with sprue |
| 142 | F11 | T78 | 001 | 1 | Metal | Fe | object |
| 143 | F11 | T75 | 001 | 1 | Metal | Lead | pistol shot with sprue |
| 144 | F11 | T76 | 001 | 1 | Metal | Fe | fragment (used) |
| 145 | F11 | T76 | 001 | 1 | Metal | Cu alloy | button |
| 146 | F11 | T76 | 001 | 1 | Metal | Cu alloy | object handle |
| 147 | F11 | T75 | 001 | 1 | Metal | Lead | fragment |
| 148 | F11 | T75 | 001 | 1 | Metal | Cu alloy | coin |
| 149 | F11 | T76 | 001 | 1 | Metal | Lead | fragment |
| 150 | F11 | T76 | 001 | 1 | Metal | Lead | carbine shot |
| 151 | F11 | T77 | 001 | 1 | Metal | Fe | horseshoe (later in date) |
| 152 | F11 | T82 | 001 | 1 | Metal | Lead | object (not related to battle) |
| 153 | F11 | T82 | 001 | 1 | Metal | Cu alloy | fragment |
| 154 | F11 | T87 | 001 | 1 | Metal | Cu alloy | unknown object |
| 155 | F11 | T88 | 001 | 1 | Metal | Lead | musket ball with sprue |
| 156 | F11 | T89 | 001 | 1 | Metal | Lead | musket ball |
| 157 | F11 | T90 | 001 | 1 | Metal | Fe | iron ring |
| 158 | F11 | T93 | 001 | 1 | Metal | Lead | fragment |
| 159 | F11 | T93 | 001 | 1 | Metal | Cu alloy | button |
| 160 | F13 | T193 | 001 | 1 | Metal | Lead | fragment (deformed |
| 161 | F13 | T193 | 001 | 1 | | Lead | |
| | | | | | Metal | | imparted shot- carbine |
| 162 | F13 | T189 | 001 | 1 | Metal | Cu Alloy | buckle/ fastening |
| 163 | F13 | T191 | 001 | 1 | Metal | Cu alloy | coin |
| 164 | F13 | T192 | 001 | 1 | Metal | lead | muskett ball |
| 165 | F13 | T192 | 001 | 1 | Metal | Iron | horse shoe frag |
| 166 | F13 | T192 | 001 | 1 | Metal | Cu alloy | button |
| 167 | F13 | T192 | 001 | 1 | Metal | iron | strip/bar ? |
| 168 | F13 | T193 | 001 | 1 | Metal | iron | nail ? |
| 169 | F13 | T193 | 001 | 1 | Metal | Cu alloy | button |
| 170 | F13 | T193 | 001 | 1 | Metal | iron | horse shoe/ nail ? |
| 171 | F13 | T193 | 001 | 1 | Metal | Cu alloy | coin/button |
| 172 | F13 | T193 | 001 | 1 | Metal | lead | rifle bullet carbine |
| 173 | F13 | T192 | 001 | 1 | Metal | fe | horse shoe frag |
| 174 | F13 | T194 | 001 | 1 | Metal | lead | carbine shot |
| 175 | F13 | T194 | 001 | 1 | Metal | lead | carbine shot |
| 176 | F13 | T194 | 001 | 1 | Metal | Cu alloy | buckle |
| 177 | F13 | T194 | 001 | 1 | Metal | lead | carbine shot |
| 178 | F13 | T194 | 001 | 1 | Metal | lead | carbine shot |
| 179 | F13 | T194 | 001 | 1 | Metal | iron | collar |
| 180 | F13 | T195 | 001 | 1 | Metal | Iron | frag |
| 181 | F13 | T195 | 001 | 1 | Metal | Iron | clasp/buckle/harness frag? |
| 182 | F13 | T195 | 001 | 1 | Metal | Cu alloy | bullet carbine |
| 183 | F13 | T194 | 001 | 1 | Metal | Cu alloy | bullet carbine |
| 184 | F13 | T194 | 001 | 1 | Metal | Cu alloy | button |
| 185 | F13 | T198 | 001 | 1 | Metal | Iron | hook |
| 186 | F13 | T198 | 001 | 1 | Metal | lead | small frag |
| 187 | F13 | T196 | 001 | 1 | Metal | lead | small frag |
| 188 | F13 | T198 | 001 | 1 | Metal | lead | sheet |
| 189 | F13 | T198 | 001 | 1 | Metal | Iron | buckle |
| 190 | F13 | T199 | 001 | 1 | Metal | Iron | frag |



| 191 192 193 194 | F13 | T198 | | Pieces | | Туре | Description |
|--------------------------|------|-----------|-----|--------|-------|----------|--|
| 193 | E4.3 | 1130 | 001 | 1 | Metal | Cu alloy | pendant |
| | F13 | T198 | 001 | 1 | Metal | alloy | frag |
| 194 | F13 | T202 | 001 | 1 | Metal | Cu alloy | coin |
| | F13 | T201 | 001 | 1 | Metal | fe | splatter ? |
| 195 | F13 | T205 | 001 | 1 | Metal | fe | buckle |
| 196 | F13 | T207 | 001 | 1 | Metal | fe | nail ? |
| 197 | F13 | T211 | 001 | 1 | Metal | fe | pistol shot carbine |
| 198 | F13 | T207 | 001 | 1 | Metal | fe | ring? |
| 199 | F13 | T209 | 001 | 1 | Metal | pb | pistol shot carbine |
| 200 | F13 | T211 | 001 | 1 | Metal | pb | musket ball (deformed) |
| 201 | F13 | T211 | 001 | 1 | Metal | Cu alloy | button/ coin |
| 202 | F13 | T202 | 001 | 1 | Metal | alloy | seal |
| 203 | F13 | OFF T | 001 | 1 | Metal | pb | musket ball |
| 204 | - | - | - | | - | - | VOID |
| 205 | F14 | T223 | 001 | 1 | Metal | copper | seal ? |
| 206 | F15 | T225 | 001 | 1 | Metal | pb | harness boss |
| 207 | F15 | T227 | 001 | 1 | Metal | pb | buckle |
| 207 | F15 | T227 | 001 | 1 | Metal | iron | pick head |
| 209 | F17 | T229 | 001 | 1 | Metal | | bracelet frag? (modern) |
| | | | - | | - | copper | VOID |
| 210 | | - T220 | | - | | - | |
| 211 | F17 | T228 | 001 | 1 | Metal | iron | rusty iron |
| 212 | F17 | T226 | 001 | 1 | Metal | iron | nail |
| 213 | F17 | T224 | 001 | 1 | Metal | lead | brooch |
| 214 | - | - | - | - | - | - | VOID |
| 215 | - | - | - | - | - | | VOID |
| 216 | F11 | T173 | 001 | 1 | Metal | lead | frag shot |
| 217 | F11 | T173 | 001 | 1 | Metal | lead | frag shot |
| 218 | F11 | T173 | 001 | 1 | Metal | alloy | button |
| 219 | F11 | T176 | 001 | 1 | Metal | alloy | spoon (tea) ? |
| 220 | F11 | T170 | 001 | 1 | Metal | Cu alloy | Part of support for sword belt- 17th C |
| 221 | F11 | T170 | 001 | 1 | Metal | Cu alloy | button (jacket) |
| 222 | - | - | - | - | - | - | VOID |
| 223 | F11 | T174 | 001 | 1 | Metal | Cu alloy | coin (hammered) |
| 224 | F11 | T175 | 001 | 1 | Metal | lead | frag |
| 225 | F11 | T177 | 001 | 1 | Metal | Lead | pistol shot (flattened) |
| 226 | F11 | T177 | 001 | 1 | Metal | Cu alloy | button |
| 227 | F11 | T179 | 001 | 1 | Metal | Cu alloy | ring |
| 228 | F11 | T182 | 001 | 1 | Metal | lead | lump |
| 229 | F11 | T176 | 001 | 1 | Metal | fe | frag metal with spike |
| 230 | F11 | T173 | 001 | 1 | Metal | fe | musket ball |
| 231 | F11 | T174 | 001 | 1 | Metal | fe | iron buckle |
| 232 | F11 | T175 | 001 | 1 | Metal | pb | frag |
| 233 | F11 | T171 | 001 | 1 | Metal | Cu alloy | bracket/ buckle ? |
| 234 | F11 | T171 | 001 | 1 | Metal | Cu alloy | halfpenny coin |
| 235 | F11 | T171 | 001 | 1 | Metal | unknown | unidentified object |
| 236 | F11 | T171 | 001 | 1 | Metal | lead | frag |
| 237 | F11 | T171 | 001 | 1 | Metal | Cu alloy | coin (King George III) |
| 238 | F11 | T172 | 001 | 1 | Metal | lead | fragment |
| 239 | F11 | T173 | 001 | 1 | Metal | Cu alloy | button |
| 240 | F11 | T177 | 001 | 1 | Metal | lead | lump |
| 241 | F11 | T174 | 001 | 1 | Metal | alloy | button |
| 242 | F11 | T175 | 001 | 1 | Metal | Lead | splatter |
| 243 | F11 | T178 | 001 | 1 | Metal | Lead | frag |
| 5 | F11 | T178 | 001 | 1 | Metal | alloy | frag |



| Find No. | Field No. | Transect No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|-----------|-----------------|----------------|------------------|----------|----------|-------------|
| 245 | F11 | T178 | 001 | 1 | Metal | Lead | frag |
| 246 | F11 | T181 | 001 | 1 | Metal | Cu alloy | coin |
| 247 | | | 001 | 1 | Metal | lead | splatter ? |
| 248 | F11 | T185 | 001 | 1 | Metal | Cu alloy | button |
| 249 | F11 | T185 | 001 | 1 | Metal | Cu alloy | button |

Appendix C: Table of Discarded Finds

| nd No. | Context No. | No. of Pieces | Material | Туре | Description |
|--------|----------------|------------------|----------|-----------|---------------------------------|
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Aluminium | stray find (can frag.) |
| 500 | 001 | 1 | Metal | Iron | stray find |
| 500 | 001 | 1 | Metal | Lead | stray find (battery – modern) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (lid – modern) |
| 500 | 001 | 1 | Metal | Fe | stray find |
| 500 | 001 | 1 | Metal | Fe | stray find (gate frag?) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (key – modern) |
| 500 | 001 | 1 | Metal | Iron | stray find (bracket) |
| 500 | 001 | 1 | Metal | Iron | stray find (bracket) |
| 500 | 001 | 1 | Metal | Iron | stray find (burning mat) |
| 500 | 001 | 1 | Metal | Iron | metal bar SF |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (jeans button) |
| 500 | 001 | 1 | Metal | Iron | stray find (modern plough frag) |
| 500 | 001 | 1 | Metal | Iron | stray find (pipe frag?) |
| 500 | 001 | 1 | Metal | Iron | stray find (latch) |
| 500 | 001 | frags | Metal | ?Steel | stray find (steel frags) |
| 500 | 001 | 1 | Metal | ?Steel | stray find (steel frags) |
| 500 | 001 | 1 | Metal | Iron | stray find (lock – modern) |
| 500 | 001 | 1 | Metal | Iron | stray find (strap) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (hinge – modern) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (bead) |
| 500 | 001 | 1 | Metal | Fe | stray find (iron nail) |
| 500 | 001 | 1 | Metal | Fe | stray find (iron lump) |
| 500 | 001 | 1 | Metal | Iron | stray find (slag) |
| 500 | 001 | 1 | Metal | Iron | stray find (frag) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (key) |
| 500 | 001 | 1 | Metal | Fe | stray find |
| 500 | 001 | 1 | Metal | Fe | stray find |
| 500 | 001 | 1 | Metal | Zinc | stray find (zinc plate) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (watch) |
| 500 | 001 | 1 | Metal | Iron | stray find (wire) |
| 500 | 001 | 1 | Metal | Iron | stray find (wire) |
| 500 | 001 | 1 | Metal | Iron | stray find (whe) |
| 500 | 001 | 1 | Metal | Iron | stray find (wire) |
| 500 | 001 | 1 | Metal | Iron | stray find (whe) |
| 500 | 001 | 1 | Metal | Iron | stray find (plate) |
| 500 | 001 | 1 | Metal | Iron | stray find (tip of plough) |



| SoO | Find No. | Context No. | No. of Pieces | Material | Туре | Description |
|---|----------|----------------|------------------|----------|----------|----------------------------------|
| S00 | 500 | 001 | 1 | Metal | Cu alloy | stray find (lid) |
| Soo | 500 | 001 | 1 | Metal | Cu alloy | small, modern fragment |
| 500 001 1 Metal Iron stray find (plate) 500 001 1 Metal Cu alloy stray find (strap) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (strap) 500 001 3 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal < | 500 | 001 | 1 | Metal | Cu alloy | stray find (no.6) |
| 500 001 1 Metal Cu alloy stray find (wire) 500 001 1 Metal Iron stray find (wire) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal | 500 | 001 | 1 | Metal | Iron | stray find (wire) |
| 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (iron bot) 500 001 1 Metal Fe stray find (iron bot) 500 001 1 Metal Fe stray find (iron bot) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe | 500 | 001 | 1 | Metal | Iron | stray find (plate) |
| 500 001 1 Metal Fe stray find (cart ring) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal </td <td>500</td> <td>001</td> <td>1</td> <td>Metal</td> <td>Cu alloy</td> <td>stray find (strap)</td> | 500 | 001 | 1 | Metal | Cu alloy | stray find (strap) |
| 500 001 1 Metal Fe stray find (cart ring) 500 001 1 Metal Fe stray find (wire) 500 001 3 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find 500 001 1 Metal | 500 | 001 | 1 | Metal | Iron | stray find (wire) |
| 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (iron bolt) 500 001 3 Metal Fe stray find (iron book) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (spate) </td <td>500</td> <td>001</td> <td>1</td> <td>Metal</td> <td>Fe</td> <td>stray find (cart ring)</td> | 500 | 001 | 1 | Metal | Fe | stray find (cart ring) |
| 500 001 1 Metal Fe stray find (iron bolt) 500 001 3 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (mer) 500 001 1 Metal Fe stray find (pla | 500 | 001 | 1 | Metal | Fe | |
| 500 001 3 Metal Fe stray find (strapping) 500 001 1 Metal Fe stray find (iron hook) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) <td>500</td> <td></td> <td>1</td> <td>Metal</td> <td>Fe</td> <td></td> | 500 | | 1 | Metal | Fe | |
| 500 001 1 Metal 500 Fe stray find (iron hook) 500 001 1 Metal 7 Aluminium 8 stray find (plough frag) 500 001 1 Metal 7 Fe stray find (strap) 500 001 1 Metal 7 Fe stray find (strap) 500 001 1 Metal 7 Fe stray find (bar) 500 001 1 Metal 7 Fe stray find (bar) 500 001 1 Metal 7 Fe stray find (bar) 500 001 1 Metal 7 Fe stray find (bar) 500 001 1 Metal 7 Fe stray find (bar) 500 001 1 Metal 7 Fe stray find (wire) 500 001 1 Metal 7 Fe stray find (wire) 500 001 1 Metal 7 Fe stray find (wire) 500 001 1 Metal 7 < | | | 3 | Metal | Fe | |
| 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) | 500 | 001 | | | | |
| 500 001 1 Metal Fe stray find (plough frag) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (mail) <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<> | | | | | | |
| 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (mail) 500 | | | | | | |
| 500 001 1 Metal Fe stray find (strap) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (nail) | | | | | | |
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| 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) | | | | | | - |
| 500 001 1 Metal Fe stray find (bar) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (sheet) <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>·</td></tr<> | | | | | | · |
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| 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
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| 500 001 1 Metal Fe stray find (wire) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) | | | | | | - |
| 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe | | | | | | - |
| 500 001 1 Metal Fe stray find 500 001 1 Metal Cu alloy stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe | | | | | | |
| 500 001 1 Metal Cu alloy stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (sheet) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Meta | | | | | | 1 1 1 |
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| 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Tin stray find (sheet) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray | | | | | | |
| 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Tin stray find (sheet) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (mail) 500 001 1 Metal Fe stray find (metal sheet) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (pl | | | | | | |
| 500 001 1 Metal Tin stray find (sheet) 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray | | | | | | |
| 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (frag of modern tube) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (mail) 500 001 1 Metal Fe stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe str | | | | | | |
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| 500 001 1 Metal Fe stray find (ring) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Iron stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe< | | 001 | 1 | Metal | Fe | |
| 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe | 500 | 001 | 1 | Metal | Fe | stray find (frag of modern tube) |
| 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Iron stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (key | 500 | 001 | 1 | Metal | Fe | stray find (ring) |
| 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Iron stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Iron stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find |
| 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find |
| 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find |
| 500 001 1 Metal Iron stray find (metal sheet) 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find (nail) |
| 500 001 1 Metal Iron stray find (base plate) 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Iron | stray find (metal sheet) |
| 500 001 1 Metal Fe stray find (plate) 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Iron | stray find (base plate) |
| 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find |
| 500 001 1 Metal Fe stray find (buckle) 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | 500 | 001 | 1 | Metal | Fe | stray find (plate) |
| 500 001 1 Metal Fe stray find 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | | | 1 | | Fe | |
| 500 001 1 Metal Fe stray find (nail) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | | | | | Fe | |
| 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | | | | | Fe | |
| 500 001 1 Metal Fe stray find (frag) 500 001 1 Metal Fe stray find (keyhole) | | | | | | |
| 500 001 1 Metal Fe stray find (keyhole) | | | | | | |
| | | | | | | |
| 500 UUL I Metal Fe Stray find (trap frag) | 500 | 001 | 1 | Metal | Fe | stray find (trap frag) |
| 500 001 1 Metal Fe stray find (modern shotgun cartridge) | | | | | | |
| 500 001 1 Metal Fe stray find (trap frag) | | | | | | |
| 500 001 1 Metal Fe stray find (modern shotgun cartridge) | | | | | | |



| Find No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|----------------|------------------|----------|-----------|---|
| 500 | 001 | 1 | Metal | Fe | stray find (wire) |
| 500 | 001 | 1 | Metal | Fe | stray find (metal bar) |
| 500 | 001 | 1 | Metal | Fe | stray find (nail – modern) |
| 500 | 001 | 1 | Metal | Fe | stray find (nail – modern) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find |
| 500 | 001 | 1 | Metal | Aluminium | stray find (tube frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag only) |
| 500 | 001 | 1 | Metal | Fe | stray find (modern plate) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (modern machine-made hinge) |
| 500 | 001 | 1 | Metal | Fe | stray find (nail – modern) |
| 500 | 001 | 1 | Metal | Fe | stray find (nail – modern) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag – flat strip) |
| 500 | 001 | 1 | Metal | Fe | stray find (modern plate) |
| 500 | 001 | 1 | Metal | Fe | stray find (screw and bolt) |
| 500 | 001 | 1 | Metal | Fe | stray find (plate frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (agricultural implement) |
| 500 | 001 | 1 | Metal | Fe | stray find (round headed nail) |
| 500 | 001 | 1 | Metal | Fe | stray find (machine part) |
| 500 | 001 | 1 | Metal | Fe | stray find (strip) |
| 500 | 001 | 1 | Metal | Fe | stray find (strip) |
| 500 | 001 | 1 | Metal | Fe | stray find (bolt) |
| 500 | 001 | 1 | Metal | Fe | stray find (agricultural equipment (modern) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (nail frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (lump) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Alloy | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (ridg) |
| 500 | 001 | 1 | Metal | Fe | stray find (bolt) |
| 500 | 001 | 1 | Metal | Cu alloy | stray find (machine-made frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (plate frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (machine frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (machine frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (modern screw nail) |
| 500 | 001 | 1 | Metal | Fe | stray find (filodern screw fiail) |
| 500 | 001 | | Metal | Steel | |
| | | 1 | Metal | | stray find (pin) stray find (modern pin) |
| 500 | 001 | 1 | Metal | Fe | , , , , |
| 500 | 001 | 1 | | Alloy | stray find (small modern buckle) |
| 500 | 001 | 1 | Metal | Alloy | stray find (modern pipe frag) |
| 500 | 001 | 1 | Metal | Brass | stray find (machine-made cylinder) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag/lump) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (lump) |
| 500 | 001 | 1 | Metal | Fe | stray find (lump) |
| 500 | 001 | 1 | Metal | Fe | stray find (sheet) |
| 500 | 001 | 1 | Metal | Fe | stray find (machine-made frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (modern steel) |
| 500 | 001 | 1 | Metal | Fe | stray find (lump) |
| 500 | 001 | 1 | Metal | Fe | stray find (modern steel plate) |
| 500 | 001 | 1 | Metal | Fe | stray find (modern steel plate) |
| 500 | 001 | 1 | Metal | Fe | stray find (agricultural machine part) |
| 500 | 001 | 1 | Metal | Fe | stray find (lump) |



| Find No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|----------------|------------------|----------------|-----------|--|
| 500 | 001 | 2 | Metal | Fe | stray finds (frags, bar) |
| 500 | 001 | 1 | Metal | Fe | stray find (plate) |
| 500 | 001 | 1 | Metal | Fe | stray find (plate) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (bar) |
| 500 | 001 | 1 | Metal | Fe | stray find (bar) |
| 500 | 001 | 1 | Metal | Fe | stray find (flat steel piece) |
| 500 | 001 | 2 | Metal | Fe | stray find (machine-made agricultural machinery) |
| 500 | 001 | 1 | Metal | Alloy | stray find (modern button) |
| 500 | 001 | 1 | Metal | Fe | stray find (machine-made metal ring) |
| 500 | 001 | 1 | Metal | Fe | stray find (steel frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (flat steel frag – modern) |
| 500 | 001 | 1 | Metal | Aluminium | stray find (modern tin) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (frag) |
| 500 | 001 | 1 | Metal | Fe | stray find (wire) |
| 500 | 001 | 1 | Metal | Aluminium | modern tube |
| 500 | 001 | 1 | Metal | Fe | bolt head |
| 500 | 001 | 2 | Metal | Fe | bolt head |
| 500 | 001 | 1 | Metal | Fe | modern tube |
| 500 | 001 | 1 | Metal | Fe | wire |
| 500 | 001 | 1 | Metal | Cu alloy | cap (cartridge) |
| 500 | 001 | 1 | Metal | Fe | bolt head |
| 500 | 001 | 1 | Metal | Cu alloy | cap (cartridge) |
| 500 | 001 | 1 | Metal | Fe | agricultural implement |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 2 | Metal | Fe | 2 x wire |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 3 | Metal | Fe | wire |
| 500 | 001 | 4 | Metal | Fe | metal fence hook |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | lump (wire) |
| 500 | 001 | 1 | Metal | Fe | lump (wire) |
| 500 | 001 | 1 | Metal | Fe | lump (wire) |
| 500 | 001 | 1 | | Fe | |
| 500 | 001 | 1 | Metal Metal | Fe | lump bullring (?) |
| 500 | 001 | | | Fe | |
| 500 | 001 | 1 | Metal Metal | Fe | lump lump |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | nail (modern) |
| 500 | 001 | 1 | Metal | Fe | |
| 500 | 001 | 2 | | Fe | lump nail and lump |
| 500 | | | Metal | | |
| | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | agricultural implement |
| 500 | 001 001 | 1 | Metal | Fe | drain pipe fragment |
| 500 | | 1 | Metal | Fe | iron Bar (fence) SF |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | modern screw |
| 500 | 001 | 1 | Metal | Fe | lump |



| Find No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|----------------|------------------|----------|---------------|----------------------------|
| 500 | 001 | 1 | Metal | Fe | bolt head |
| 500 | 001 | 1 | Metal | Cu alloy | cartridge cap (modern) |
| 500 | 001 | 1 | Metal | Fe | lump |
| 500 | 001 | 1 | Metal | Fe | strap/bar (modern) |
| 500 | 001 | 1 | Metal | Aluminium | sheet |
| 500 | 001 | 1 | Metal | Aluminium | fragment |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | chair casters |
| 500 | 001 | 1 | Metal | Fe | bar |
| 500 | 001 | 1 | Metal | Aluminium | can |
| 500 | 001 | 1 | Metal | Fe | chain link |
| 500 | 001 | 1 | Metal | Fe | modern hinge |
| 500 | 001 | 1 | Metal | Fe | sheet |
| 500 | 001 | 1 | Metal | Fe | Sheet |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | modern metal ring |
| | 001 | | | | nail |
| 500 | | 1 | Metal | Fe | |
| 500 | 001 | 1 | Metal | Fe | handle (modern) |
| 500 | 001 | 1 | Metal | Fe - | fragment SF |
| 500 | 001 | 1 | Metal | Fe - | fragment SF |
| 500 | 001 | 1 | Metal | Fe | fragment SF |
| 500 | 001 | 1 | Metal | Aluminium/tin | bullet capsule (mod) |
| 500 | 001 | 1 | Metal | Fe | bolt head |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | nail (modern) |
| 500 | 001 | 1 | Metal | Fe | modern hook |
| 500 | 001 | 1 | Metal | Fe | nail (square) |
| 500 | 001 | 1 | Metal | Fe | nail (modern) |
| 500 | 001 | 1 | Metal | Fe | modern hinge |
| 500 | 001 | 1 | Metal | Fe | nail (modern) |
| 500 | 001 | 1 | Metal | Fe | nail (modern) |
| 500 | 001 | 1 | Metal | Fe | nail (modern) |
| 500 | 001 | 2 | Metal | Fe | fragments |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | threaded bolt |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe/plastic | modern gun cartridge |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | modern washer |
| 500 | 001 | 1 | Metal | Fe | modern gun cartridge |
| 500 | 001 | 1 | Metal | Fe | machine made washer |
| 500 | 001 | 1 | Metal | Fe | modern chain link |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Aluminium | fragment |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | fence hook |
| 500 | 001 | 1 | Metal | Fe | nail (modern) |
| 500 | 001 | 1 | Metal | Fe | flat machine made fragment |
| 500 | 001 | 1 | Metal | Fe | nail and washer |
| 500 | 001 | 1 | Metal | Fe | nail fragment |
| 500 | 001 | 1 | | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | nail |
| | | | Metal | | |
| 500 | 001 | 1 | Metal | Fe | nail |



| Find No. | Context No. | No. of Pieces | Material | Туре | Description |
|----------|----------------|------------------|----------|-----------|--------------------------|
| 500 | 001 | 1 | Metal | Fe | modern bar |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | fence pin |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | Modern screw |
| 500 | 001 | 1 | Metal | Fe | pipe |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | bolt |
| 500 | 001 | 1 | Metal | Fe | bolt |
| 500 | 001 | 1 | Metal | Fe and Pb | object |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Cu alloy | wire |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Cu alloy | thimble |
| 500 | 001 | | | | nail |
| | | 1 | Metal | Fe | |
| 500 | 001 | 1 | Metal | Fe | screw |
| 500 | 001 | 1 | Metal | Fe | bolt |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | agricultural tool |
| 500 | 001 | 1 | Metal | Fe | modern fragment |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | large bolt |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | modern lock |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | bullring |
| 500 | 001 | 1 | Metal | Cu alloy | keyring fragment |
| 500 | 001 | 1 | Metal | Cu alloy | modern button |
| 500 | 001 | 1 | Metal | Fe | fragments |
| 500 | 001 | 1 | Metal | Fe | wire |
| 500 | 001 | 1 | Metal | Fe | fragment sheet |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | fragment |
| 500 | 001 | 1 | Metal | Fe | nail |
| 500 | 001 | 1 | Metal | Fe | bolt |
| 500 | 001 | 1 | Metal | Fe | modern agricultural part |
| | | | | | |
| 500 | 001 | 1 | Metal | Fe | bar (modern) |
| 500 | 001 | 1 | Metal | Aluminium | bottle top |
| 500 | 001 | 1 | Metal | Fe | iron washer |
| 500 | 001 | 1 | Metal | Fe | modern fragment |
| 500 | 001 | 1 | Metal | Fe - | modern fragment |
| 500 | 001 | 1 | Metal | Fe | modern fragment |
| 500 | 001 | 1 | Metal | Fe | modern fragment |



Appendix D: List of Photographs

File 1

| Shot Number | Area | Details | Taken from |
|-------------|------|--|------------|
| 1 | 5 | Shot of field alongside wood | SE |
| 2 | 6 | Gen. Shot of sub-rectangular field to E of sheepfold | N |
| 3 | 6 | Gen. Shot of sub-rectangular field to E of sheepfold | NW |
| 4 | 6 | Eastern field working shot | NW |
| 5 | 6 | Eastern field working shot | NW |
| 6 | 9 | Eastern field working shot | NW |
| 7 | 9 | Eastern field working shot | NE |
| 8 | 7 | Overgrown field to W of eastern field | NE |
| 9 | 7 | Overgrown field to W of eastern field | NE |
| 10 | 8 | Overgrown field - Strip to south | NW |
| 11 | 7 | Overgrown field - Strip to south | SW |
| 12 | 7 | Overgrown field - Strip to south | SE |
| 13 | 6 | Field to East of sheepfold | NW |
| 14 | 6 | Field to East of sheepfold | NW |
| 15 | 6 | Field to East of sheepfold | N |
| 16 | 5 | Strip to N of walled garden | SE |
| 17 | 5 | Strip to N of walled garden | SE |
| 18 | 5 | Strip to N of walled garden | NW |
| 19 | 5 | Strip to N of walled garden | NW |
| 20 | 5 | Land strip N of walled garden | SE |
| 21 | 5 | Shot of S-Side field in woodland | W |
| 22 | 11 | Gen. Shot of western field | W |
| 23 | 1 | Gen. Shot of western field | W |
| 24 | 1 | Gen. Shot of western field | SE |
| 25 | 1 | Gen. Shot of western field | NE |
| 26 | 1 | Gen. Shot of western field | SE |
| 27 | 1 | Gen. Shot of western field | Е |
| 28 | 1 | Gen. Shot of western field | SW |
| 29 | 1 | Gen. Shot of western field | Е |

File 2

| Shot Number | Area | Details | Taken from |
|-------------|------|---------------------------|------------|
| 1 | 14 | General shot of field F14 | SW |
| 2 | 14 | General shot of field F14 | SW |
| 3 | 14 | General shot of field F14 | NE |
| 4 | 17 | General shot of field F17 | SW |
| 5 | 17 | General shot of field F17 | SW |
| 6 | 14 | General shot of field F14 | N |
| 7 | 14 | General shot of field F14 | NW |
| 8 | 14 | General shot of field F14 | NW |
| 9 | 14 | General shot of field F14 | NE |
| 10 | 15 | General shot of field F15 | W |
| 11 | 15 | General shot of field F15 | E |
| 12 | 17 | General shot of field F17 | N |
| 13 | 17 | General shot of field F17 | NW |
| 14 | 15 | General shot of field F15 | W |
| 15 | 15 | General shot of field F15 | SE |
| 16 | 17 | General shot of field F17 | NE |
| 17 | 16 | General shot of field F16 | NW |
| 18 | 16 | General shot of field F16 | NW |
| 19 | 13 | General shot of field F13 | NW |



| Shot Number | Area | Details | Taken from |
|-------------|------|---------------------------|------------|
| 20 | 13 | General shot of field F13 | N |
| 21 | 13 | General shot of field F13 | NE |
| 22 | 13 | General shot of field F13 | NE |
| 23 | 11 | General shot of field F11 | E |
| 24 | 11 | General shot of field F11 | SE |
| 25 | 12 | General shot of field F12 | W |
| 26 | 11 | General shot of field F11 | S |
| 27 | 11 | General shot of field F11 | SW |
| 28 | 11 | General shot of field F11 | SW |
| 29 | 10 | General shot of field F10 | SE |
| 30 | 10 | General shot of field F10 | SE |
| 31 | 10 | General shot of field F10 | SE |
| 32 | 10 | General shot of field F10 | SE |

Appendix E: Discovery and Excavation Scotland Entry

| LOCAL AUTHORITY: | Perth and Kinross |
|---|--|
| PROJECT TITLE/SITE NAME: | A9 Dualling Programme Killiecrankie to Pitagowan: Killiecrankie Battlefield Metal Detecting Survey Report |
| PROJECT CODE: | 4181 |
| PARISH: | Moulin |
| NAME OF CONTRIBUTOR(S): | Maureen C. Kilpatrick and Warren Bailie |
| NAME OF ORGANISATION: | GUARD Archaeology Limited |
| TYPE(S) OF PROJECT: | Metal Detecting Survey |
| NMRS NO(S): | N/A |
| SITE/MONUMENT TYPE(S): | Battlefield |
| SIGNIFICANT FINDS: | Musket/pistol balls, copper alloy buttons, sword belt fitting, harness boss |
| NGR (2 letters, 6 figures) | NN 909 634 |
| START DATE (this season) | 12th August 2015 |
| END DATE (this season) | 13th October 2015 |
| PREVIOUS WORK (incl. DES ref.) | |
| MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields) | A metal detecting survey was carried out by GUARD Archaeology Limited in collaboration with the Centre for Battlefield Archaeology, University of Glasgow, at the perceived location of Killiecrankie Battlefield to the south of Blair Atholl, Moulin Parish, Perthshire (figures 1 and 2). The work was carried out for Jacobs UK Limited on behalf of Transport Scotland to inform the cultural heritage input into the Design Manual for Roads and Bridges Stage 2 Assessment for the Killiecrankie to Pitagown project The survey focused on a linear stretch of land to the north and south of the existing A9 road comprising the Battlefield site. Investigations were carried out in accordance with the Project Specification (Jacobs 2015), Historic Scotland and CIfA guidelines, with the assistance of metal detecting volunteers from Detecting Scotland (DS) and Scottish Artefact Recovery Group (SARG). On-site professional archaeological guidance was provided by GUARD Archaeology with expert advice from the Centre for Battlefield Archaeology, University of Glasgow. Significant finds included 41 musket/carbine/pistol balls, six copper alloy buttons, two buckles, four horse shoe and horseshoe fragments, several fragments of a copper alloy bangle, a copper alloy pendant, a copper alloy harness boss and a part of a sword belt fitting. |
| PROPOSED FUTURE WORK: | Possible |
| SPONSOR OR FUNDING BODY: | Transport Scotland |
| CAPTION(S) FOR ILLUSTRS: | Figure 1: Location Map showing Jacobite and Government troop lines Figure 2: Surveyed Areas and Finds Distribution |
| ADDRESS OF MAIN CONTRIBUTOR: | GUARD Archaeology Ltd, 52 Elderpark Workspace, 100 elderpark Street, Glasgow, G51 3TR |
| EMAIL ADDRESS: | bob.will@guard-archaeology.co.uk |
| ARCHIVE LOCATION (intended/deposited) | NMRS and Perth and Kinross Archaeological Trust |

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