

# GUARD ARCHAEOLOGY



## Bannockburn Big Dig Data Structure Report Project 3694

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## **Bannockburn Big Dig**

### **Data Structure Report**

**On behalf of:** The National Trust for Scotland and BBC

**NGR:** NS 80491 92006; NS 80243 91453; NS 80546 91205

**Project Number:** 3694

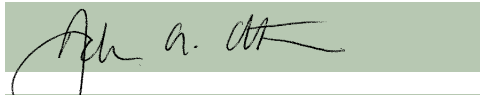
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*This document has been prepared in accordance  
with GUARD Archaeology Limited standard operating procedures.*

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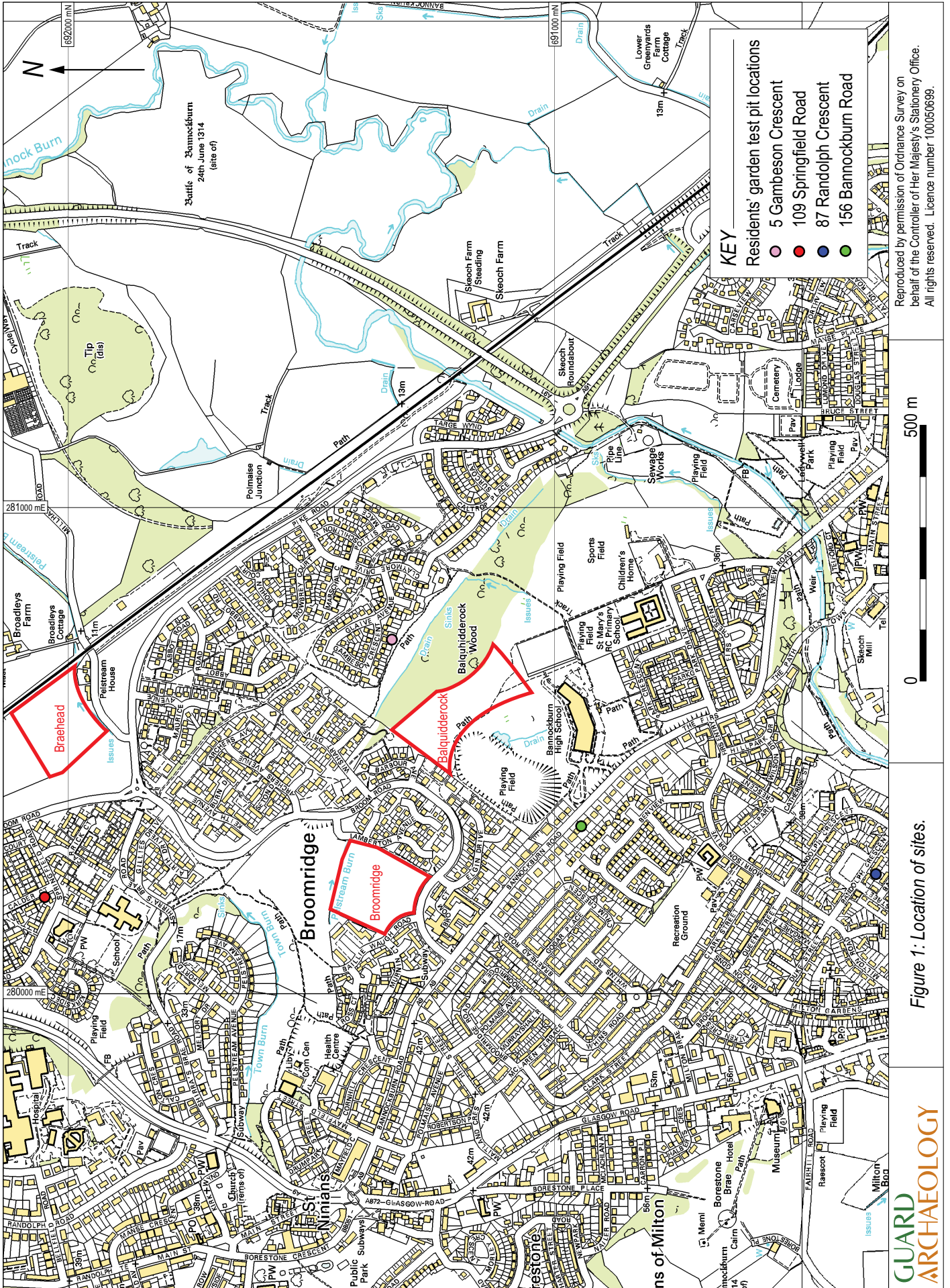


Figure 1: Location of sites.

## Executive Summary

- 1.1 In advance of the commemoration of the 700 anniversary of the battle of Bannockburn in 2014 the 'Bannockburn Big Dig' archaeological investigations were carried out by GUARD Archaeology Limited, in collaboration with the Centre for Battlefield Archaeology at the University of Glasgow, the National Trust for Scotland (NTS) and BBC Scotland. These investigations consisted of geophysical survey, metal-detecting and the excavation of test pits and took place between 17<sup>th</sup> and 23<sup>rd</sup> June 2013. The aim of the project was to define the boundaries of the battle site and possibly locate sites of conflict within that boundary. The work was achieved with the help of volunteers from the local community and included participation by local primary and secondary schools. The metal-detecting survey was also carried out across two of the sites by members of the Scottish Artefact Recovery Group (SARG) and Detecting Scotland working alongside GUARD Archaeology staff. The main 'Bannockburn Big Dig' took place over the weekend of the 22-23 June (the 699<sup>th</sup> anniversary of the battle) where 250 volunteers were given the opportunity to excavate test pits supervised by experienced archaeologists. In this way 139 test pits were excavated during the course of the project. In addition members of the Clanranald Trust were on hand to recreate the conditions of life in fourteenth century Scotland.
- 1.2 The investigations were carried out in accordance with the Excavation Method Statement (Baillie 2013, appended). The work undertaken involved an initial geophysical survey followed by the hand excavation of a series of 1 metre square test-pits sited over three main areas (Appendix 1): Braehead (NGR: NS 80491 92006), Broomridge (NGR: NS 80243 91453) and Balqhidderock Wood (NGR: NS 80546 91205). In addition four 1 metre square test-pits were investigated in the gardens of participating residents from the local area.

## Introduction

- 2.1 This report sets out the results of all 'Bannockburn Big Dig' archaeological investigations undertaken by GUARD Archaeology Limited, in collaboration with the Centre for Battlefield Archaeology at the University of Glasgow, the National Trust for Scotland and BBC Scotland in three main areas to the north of Bannockburn, Stirling (Figure 1). The work was undertaken between 17 and 23 June 2013 under the direction of Warren Baillie.

## Site Location, Topography and Geology

- 3.1 The three areas chosen for the investigations were located to the south-east of Stirling. Braehead is located to the north-west of Millhall Road and to the south-east of Broom Road (NGR NS NS 80491 92006). The fairly flat field is currently used as rough grass and it is frequented by dog walkers. Broomridge is south-west of Braehead and is bounded by housing estates to its south, east and west and to its north by Pelstream Burn (NGR: NS 80243 91453). It is also a fairly flat rough grass field slopping down towards the north. Finally, Balqhidderock Wood is located south of Braehead and south-east of Broomridge and north of Bannockburn High School. The land, a rough grass field, slopes gradually away to the north-east, towards the woods (Figure 1).
- 3.2 The superficial geology at Braehead consists of Raised Tidal Flat Deposits of Flandrian Age, while the bedrock geology consists of Limestone Coal formation. While at Broomridge and Balqhidderock Wood the superficial geology consists of Raised Devensian Marine Deposits, while the bedrock geology is the same as that found at Braehead (Geology of Britain <http://bgs.ac.uk/>).

## Archaeological Background

- 4.1 The three sites investigated lie within the wider margins for the battlefield site of Bannockburn (NS89SW.11) as defined by the Historic Scotland Inventory of Battlefields: [www.historic-scotland.gov.uk/index/inventorybattlefields](http://www.historic-scotland.gov.uk/index/inventorybattlefields). The Battle of Bannockburn is one of the most significant and influential events in Scottish history and was fought over 23 and 24 June 1314 between

the armies of Robert the Bruce and Edward II (SMR: 1183.03). The exact location of the battle remains inconclusive and various historians have suggested at least 5 different locations. The current investigations builds on recent work to try and define the location of the core of the battle and the wider boundary (Pollard and Oliver 2003; Sneddon 2006; Robertson 2006, Banks, Ferguson and Arabaolaza 2011; Bailie 2011; 2012a & 2012b). Another key area of the battle is where the English army was largely destroyed was the large ditch of Bannockburn, where the fleeing English army was routed, with many drowning in the water (Foard and Partida, 2005).

- 4.2 Balqhidderoch and Broomridge sites are areas of high ground overlooking the Carse to the north-east. These two locations were potentially used by Bruce's army on the eve (23 June 1314) of the second day of the battle (24 June 1314). The army may have camped on these naturally defensive areas before the advance onto the Carse early on the second day. We cannot be certain if these areas were forested at the time of the battle without an environmental study of the area analysing the vegetation changes through time. The Braehead site in contrast is situated on the Carse itself, an expansive floodplain associated with the River Forth and its many tributaries which include the Pelstream and Bannockburn.
- 4.3 In addition to the battle site other sites or artefacts have been recovered from the immediate area that may relate to the battle. To the south-west of the areas investigated there is the 'bore stone' (SMR:783; NMRS NS79SE 15.01) situated at the top of Brock's Brae and described in 1859 as having been nearly circular, 3' in diameter and 2' thick, with a 3" wide hole in the centre. Little is known about the origin of the stone or the purpose of the hole, but the tradition that Bruce's standard was set in it at the Battle of Bannockburn does not appear in written accounts before 1723. It was thought that the bore stone was removed in the 1960s and fragments from it incorporated into the nearby cairn. However there is no physical evidence of this in the construction of the cairn. A small trial trench was excavated in 2001 (SMR No 783.01) over the site of the original bore stone to determine if anything survived in situ. Excavation revealed the remains of a concrete foundation for what appears to have been a low wall which surrounded the stone and is shown on photographs of the site.
- 4.4 A possible iron arrowhead (NMRS: NS79SE 879; SMR: 5394) with a pinched-in waist was found in topsoil during evaluation trenching work just down slope and to the south of the bore stone; 35 mm in length and weighing 4 g. Interpreted as the head of an iron arrowhead, which is missing its socketed end which may have broken-off. It is thought to be a bodkin arrowhead, which had no barbs and was used for penetrating armour. This type of arrowhead was current at the time of the Battle of Bannockburn (Alexander 2004). A single pit was also found during this archaeological field evaluation (SMR: 5718.02) conducted during the filming of the "Two Men in a Trench" archaeology programme about the site, which also included a geophysical survey of the area (SMR: 5718.02).
- 4.5 The rest of the sites found in the vicinity of the investigated areas include the Polmont to Stirling railway (NMRS: NS89SW 84) and its associated junction (NMRS: NS89SW 45) and bridge (NMRS: NS89SW 84.01). Several buildings are also found nearby: Skeoch farmstead (NMRS: NS89SW 52); Easter Livilands house (NMRS: NS89SW 87) depicted on the OS 2nd Edition map (Stirlingshire, sheet XVII, 1900). it has since been demolished and its stables (NMRS: NS89SW 87.01), depicted on Epoch 4, 1942, 1:2500 but now demolished
- 4.6 A metal detector survey was undertaken on 17 March 2007 on the site of a proposed extension and associated external works at Bannockburn High School (NMRS: NS89SW 92), which is south of Balqhidderoch Wood area. The site is considered to be within the general area of engagement of the Battle of Bannockburn and the work was undertaken to satisfy a planning condition. The survey did not recover any finds that are likely to have been deposited prior to the second half of the 20th century. It is likely that the area was terraced before the construction of the standing school building and is not likely to contain any significant archaeological remains (Stronach, 2007).

## Project Objectives

5.1 The aims and objectives of the archaeological investigations are as follows:

- establish the presence or absence of any archaeological remains, and their character, date, extent and significance if surviving,
- excavate and record any significant features and recover any significant artefacts and ecofacts for subsequent analysis.
- identify as yet unknown metal finds and in particular those which may have some association with the Battle of Bannockburn;

5.2 The objectives were therefore to:

- Conduct a geophysical survey, metal-detecting survey and archaeological evaluation via test-pitting within the investigation areas to establish the presence or absence of any archaeological remains, and their character, date and extent if surviving;
- Submit a report to data structure level for approval to the NTS, on completion of the archaeological fieldwork, which includes an outline of the scope of any further excavation works should any significant archaeology be encountered.

## Methodology

6.1 The total area made available for potential investigation by Stirling Council measured approximately 6.3 hectares (Braehead 1.5 ha, Balqhiggerock Wood 2 ha, Broomridge 2.8 ha). The investigations conducted during this project included a 3.5 hectare area of metal-detecting survey which overlapped the geophysics survey and areas for the excavation of test pits (Figure 1). The geophysical survey covered an area of 1.04 hectare at Braehead, 0.68 hectare at Balqhiggerock Wood and 400 m<sup>2</sup> at Broomridge; the excavated test pits covered a total area of 139 m<sup>2</sup> (Braehead 80 m<sup>2</sup>, Balqhiggerock Wood 47 m<sup>2</sup> and Broomridge 8 m<sup>2</sup>) with an additional 4 m<sup>2</sup> excavated across four local residents' gardens (5 Gambeson Crescent, 109 Springfield Road, 87 Randolph Crescent and 156 Bannockburn Road).

## Geophysical Survey

6.2 Geophysics Aims and Objectives

6.2.1 The geophysical survey aimed to locate any archaeological or historical features associated with earlier use of the sites. The specific objectives were to:-

- survey 1 hectare at Braehead using both gradiometry and resistivity;
- survey up to 1 hectare at Bannockburn High School using both gradiometry and resistivity;
- test Broomridge to gauge its suitability for geophysical survey, and
- indicate the locations of geophysical anomalies for potential test pitting.

6.3 Geophysics Methodology

6.3.1 The gradiometry survey was carried out using a Geoscan FM256 Fluxgate Gradiometer, and the resistivity used a Geoscan RM15 Resistivity meter with a twin-probe array and a probe separation of 0.5m.

6.3.2 The readings were taken at a 0.5 m sample interval and a 1 m traverse interval, giving 800 readings per 20 x 20 m grid. This survey frequency allowed a good resolution of detail with the minimum impact in terms of the time required to complete the survey.

- 6.3.3 The data was downloaded into Geoplot v3 for analysis and plot production. The resulting plots were overlaid onto the existing plan of the site, showing where any anomalies lie in relation to the surface features. The location of the geophysical survey was recorded using a Smart Rover sub-centimeter DGPS. This creates fully geo-referenced information for each grid point for the accurate placement of the geophysics results within the Ordnance Survey national grid, allowing for the ease of relocating areas identified for further assessment.
- 6.3.4 Part of one grid at Braehead could not be surveyed due to the density of nettles and thistles in that particular spot.
- 6.3.5 At the Broomridge site, gradiometry was not carried out as underlying building debris caused such large fluctuations in readings that the magnetometers within the instrument could not be balanced. One grid of resistivity was surveyed, but the disturbance from the building debris (which was also revealed in test pits) was so great that it was decided that further survey would be unlikely to reveal any archaeological features.

### Metal Detecting Survey

- 6.4 A metal detecting survey of the Braehead and Balquhidderoch Wood sites was undertaken to retrieve any artefacts which may relate to the Bannockburn battlefield surviving within the topsoil. Metal detecting was undertaken in transects across each area to ensure full coverage. Retained finds that were detected during the metal detecting survey were plotted using a Magellan sub-metre GPS and were recovered using stratigraphically controlled key-hole excavation for identification and further study if necessary. All finds collected during metal detecting were assessed for identification by a suitably qualified and experienced battlefield archaeologist. All metal objects with the exception of those of definite modern date were retained.

### Archaeological test pits

- 6.5 Adopting a systematic approach and where appropriate using the metal-detecting and geophysical surveys an archaeological evaluation of any metal object clusters and/or geophysical anomalies was conducted. The evaluation comprised the hand excavation of 139 (1 m<sup>2</sup>) test pits in order to evaluate the presence, nature, significance and extent of any archaeological features or artefacts within areas not previously investigated on this scale on the battlefield of the Battle of Bannockburn (Figure 1). The test pits will be discussed in context with the area they were excavated and the information for all test pits will be in table format and appended to this report (Appendix B - D).
- 6.6 The topsoil at each test pit location was removed in spits to the first archaeological horizon or, where none was found, to the natural subsoil. Any archaeological features encountered were cleaned by hand by the on-site team to determine their character and extent.
- 6.7 Any significant archaeological features encountered were dealt with by the on-site team. When negative-cut features were encountered, a representative sample of 25%-50% was excavated in order to determine their significance, date and function. A full record of excavated features was made using a single context recording system with pro forma sheets, drawings and photographs. All archaeological features were photographed and recorded at an appropriate scale. A photograph was taken of every test pit. A representative section of each pit was drawn to scale denoting depth of topsoil, any stratigraphy present and the nature of the soil. Where appropriate, a plan of the test pit was also drawn on the test pit sheets provided. All test pits were accurately surveyed using either a Leica GPS 1200 (Smart Rover) or a Magellan sub-metre GPS logger and located within the National Grid.
- 6.8 All archaeological finds were dealt with by the on-site team. Modern finds and animal bone were collected as bulk samples by context. All finds were processed to MAP2 type standards and subject to appropriate specialist assessment. If necessary, conservation of finds will be appraised to allow for specialist study.
- 6.9 All excavated feature fills and horizons were sampled as appropriate, using bulk soil samples, for palaeo-environmental evidence.



- 6.10 On completion of the recording of the test pits, the hand-excavated test pits were back-filled by hand and reinstated with the original turf.

## Results

- 7.1 The investigations across the three sites involved a geophysical survey covering 1.68 hectares, a metal-detecting survey covering 3.5 hectare and 139 hand-excavated 1 m<sup>2</sup> test pits (Figure 2 to 4). A prefix of MD was used for all metal-detector finds and a prefix of TP was used for all test pit finds (e.g. MD SF 1; TP SF 1)

### 7.2 Geophysical Survey Results

- 7.2.1 Following processing of the data collected in the field, the survey revealed gradiometric anomalies at both Braehead and Balquhiddelock Wood. The resistivity surveys were quite disappointing, revealing only furrows and heavily disturbed ground at Braehead, and what appears to be modern sub-surface disturbance at Balquhiddelock Wood. All of the geophysical anomalies were subsequently excavated via test pits; the results of these excavations are discussed in the excavation report for the Bannockburn Big Dig.

#### Braehead

- 7.2.2 The three anomalies found here consisted of two meandering linear features (Features 1 & 2) (Figures 5 and 6) and one possible di-pole (Feature 3). The linear features were located at the north of the area surveyed, and were each about 5 m wide. As these were not located by resistivity, they are likely to lie more than 0.5 m below current ground level. The di-pole is at the south of the site and may have been caused by a buried metal object.

#### Balquhiddelock Wood

- 7.2.3 Both geophysical surveys detected quite a bit of disturbance in the topsoil/subsoil at the north and centre-west of the site, although no particular patterns to this disturbance could be discerned. The gradiometry survey also survey found three di-poles (Features 4 to 6) (Figures 7 and 8) that may have been caused by buried metal objects. The resistivity survey did not detect any anomalies on this site.

### 7.3 Geophysics Survey Discussion

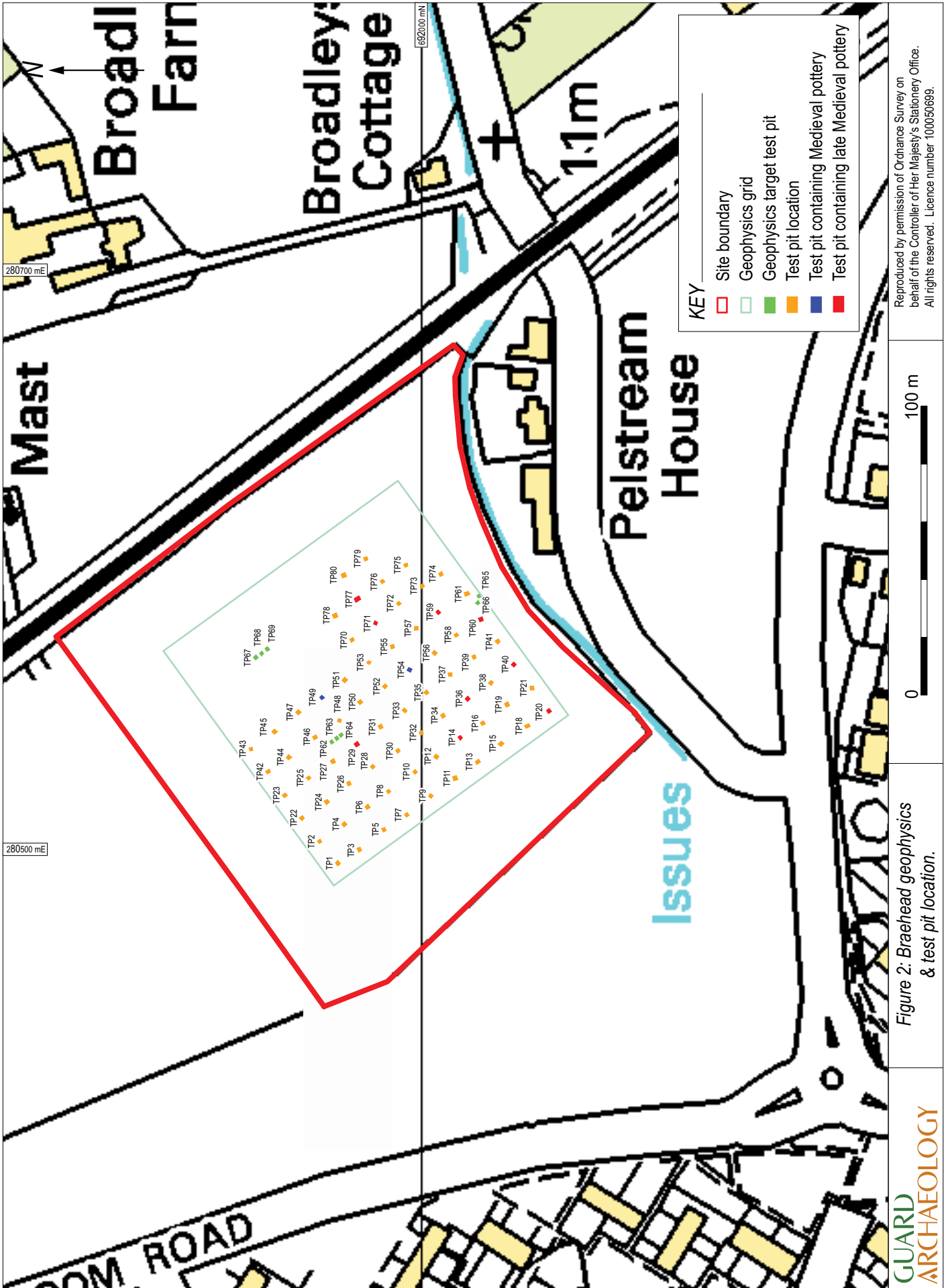
- 7.3.1 Of the geophysical anomalies detected during the surveys, only the linear features found at Braehead appear to be archaeological or historical in nature. The ground at Braehead was visibly disturbed, with large and small pits found throughout the field, and the ground surface was very uneven.

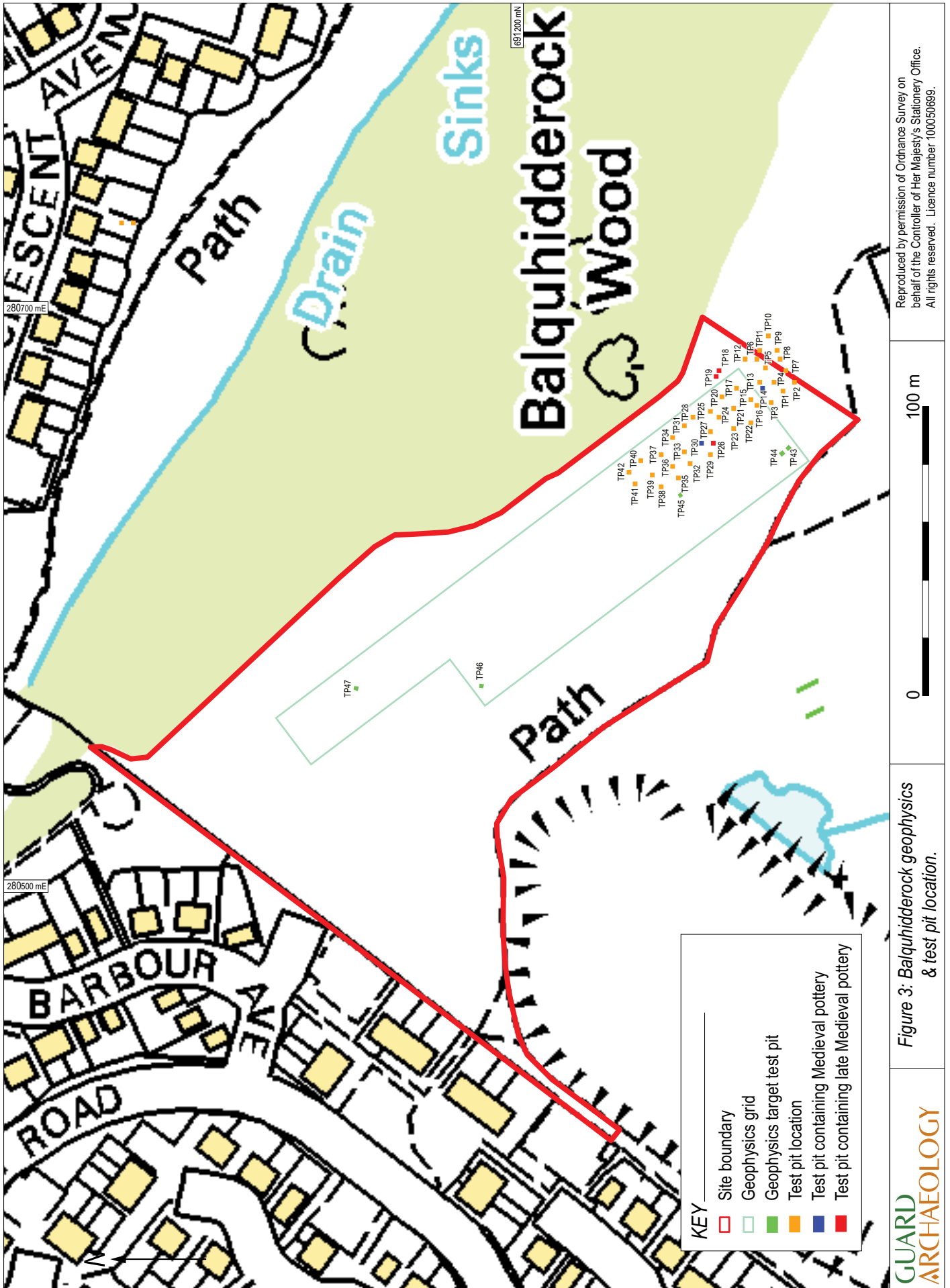
#### Braehead

- 7.3.2 The field had previously been used for military training during WWII, and the meandering linear features located here may have been associated with this use of the land. The dimensions of the linear anomalies suggest that these may be practice trenches. As they were not detected by resistivity, they are probably found at a depth greater than 0.5 m. The di-pole located in this field was quite small and is more likely to have been caused by buried metal, rather than an underlying archaeological feature.

#### Balquhiddelock Wood

- 7.3.3 The disturbance detected on this site may be related to landscaping carried out during ground-works for Bannockburn High School and its playing fields. Local information indicates that at least part of the area surveyed was bulldozed, which would result in the patchy nature of the data sets obtained in this locale. As with Braehead, the gradiometry di-poles are quite small and it is likely that buried metal has been detected, rather than archaeological remains.

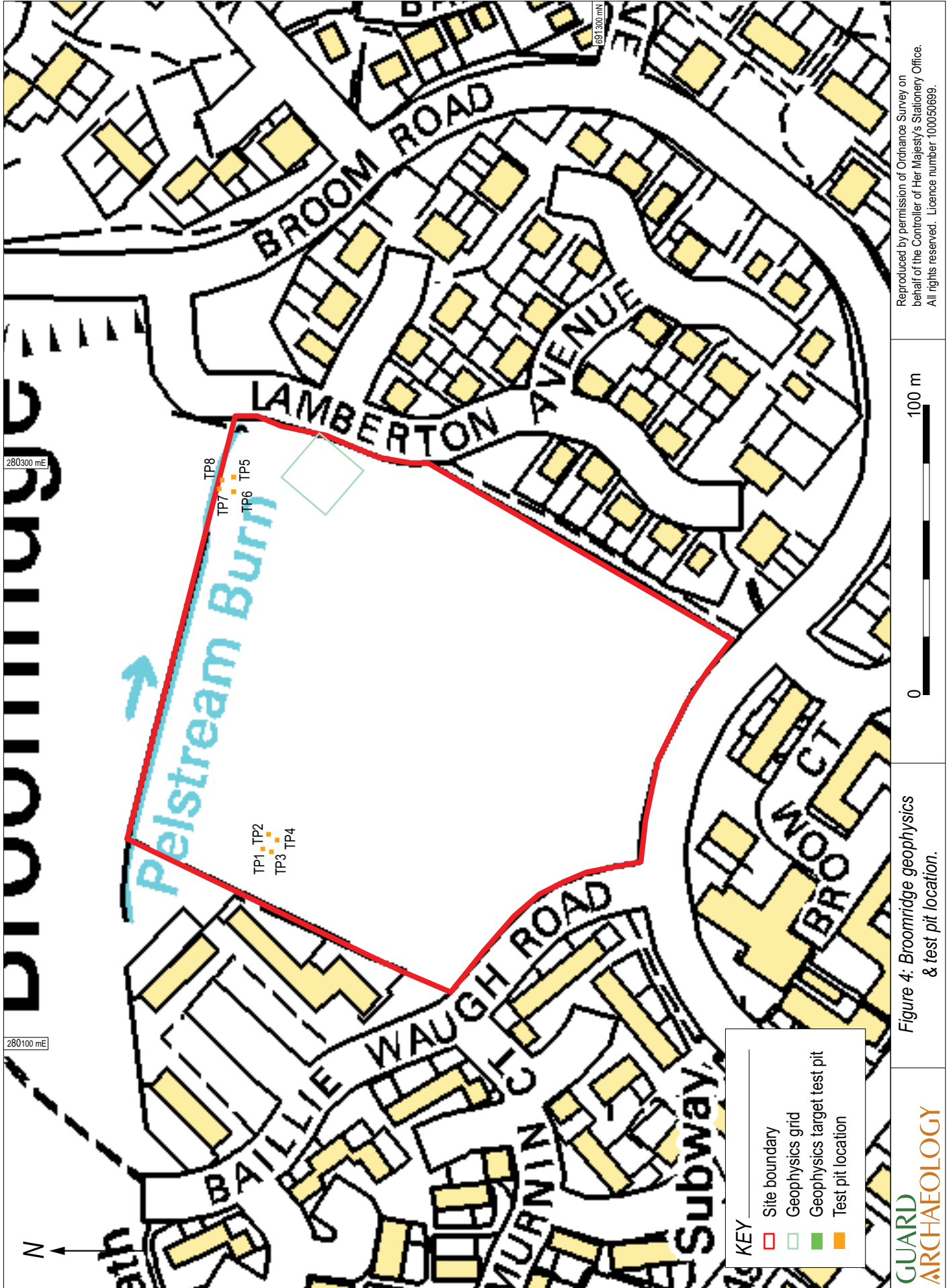


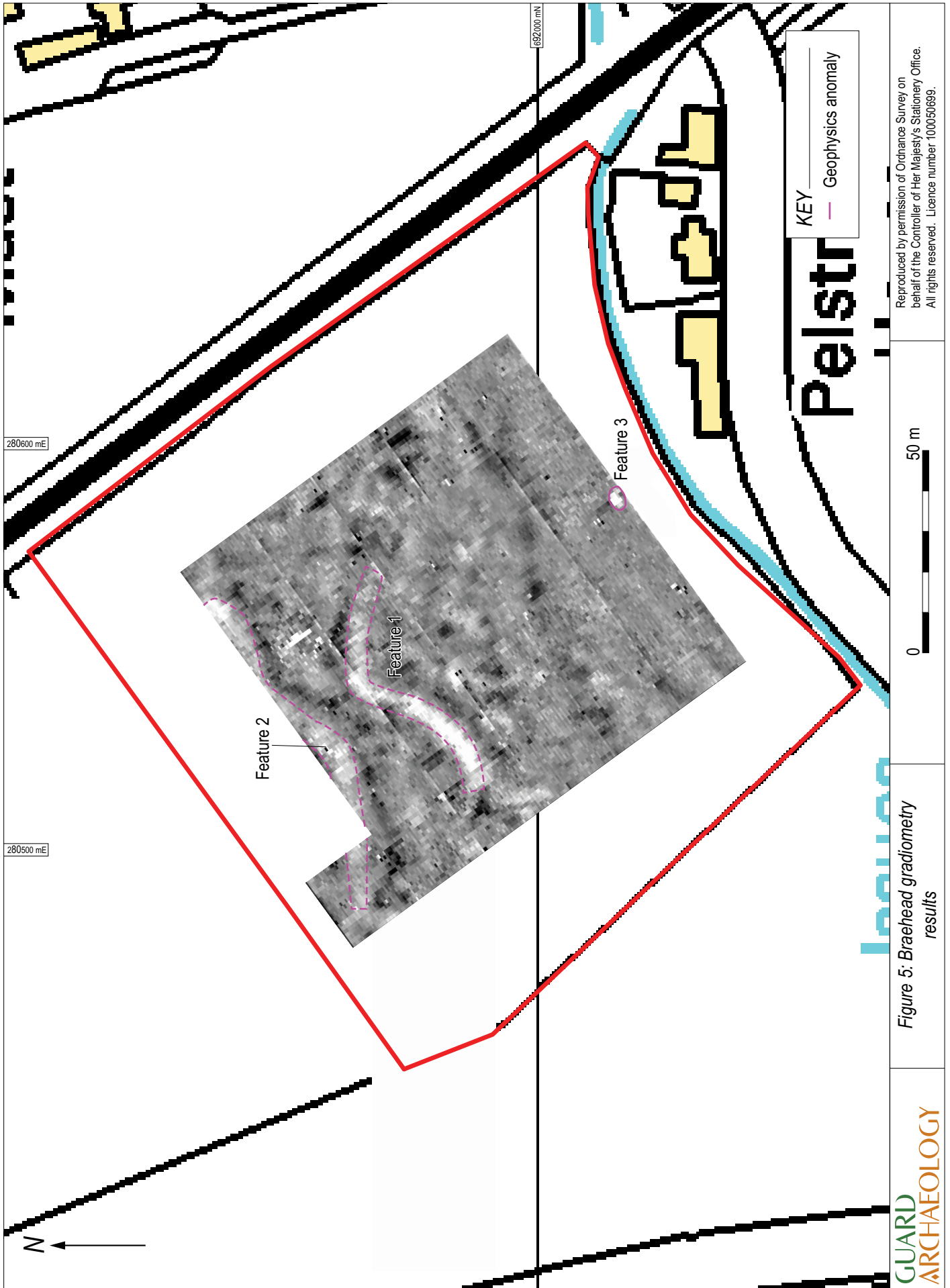


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0 100 m

Figure 3: Balquhidderoch geophysics & test pit location.





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0 50 m

Figure 5: Braehead gradiometry results

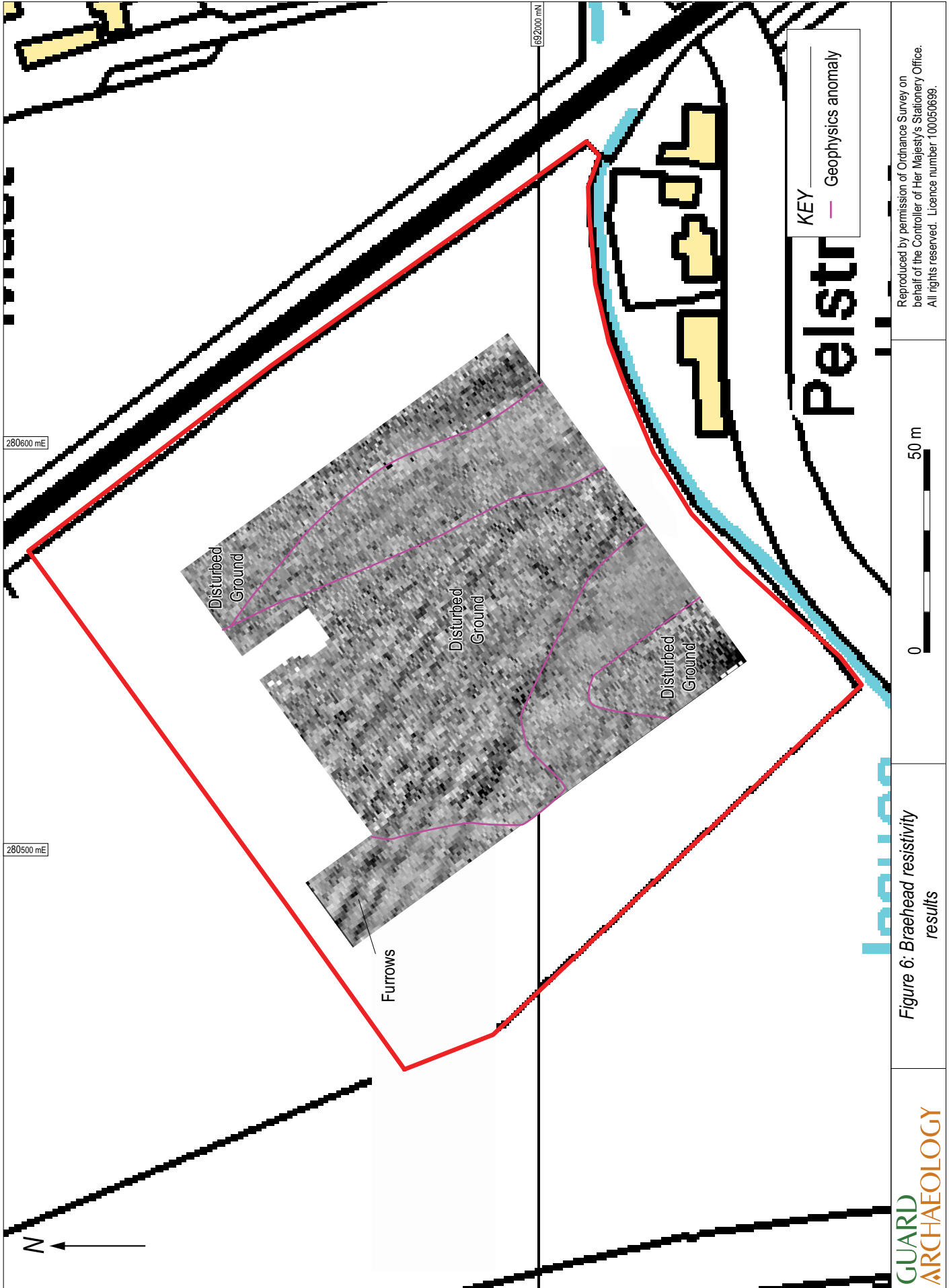
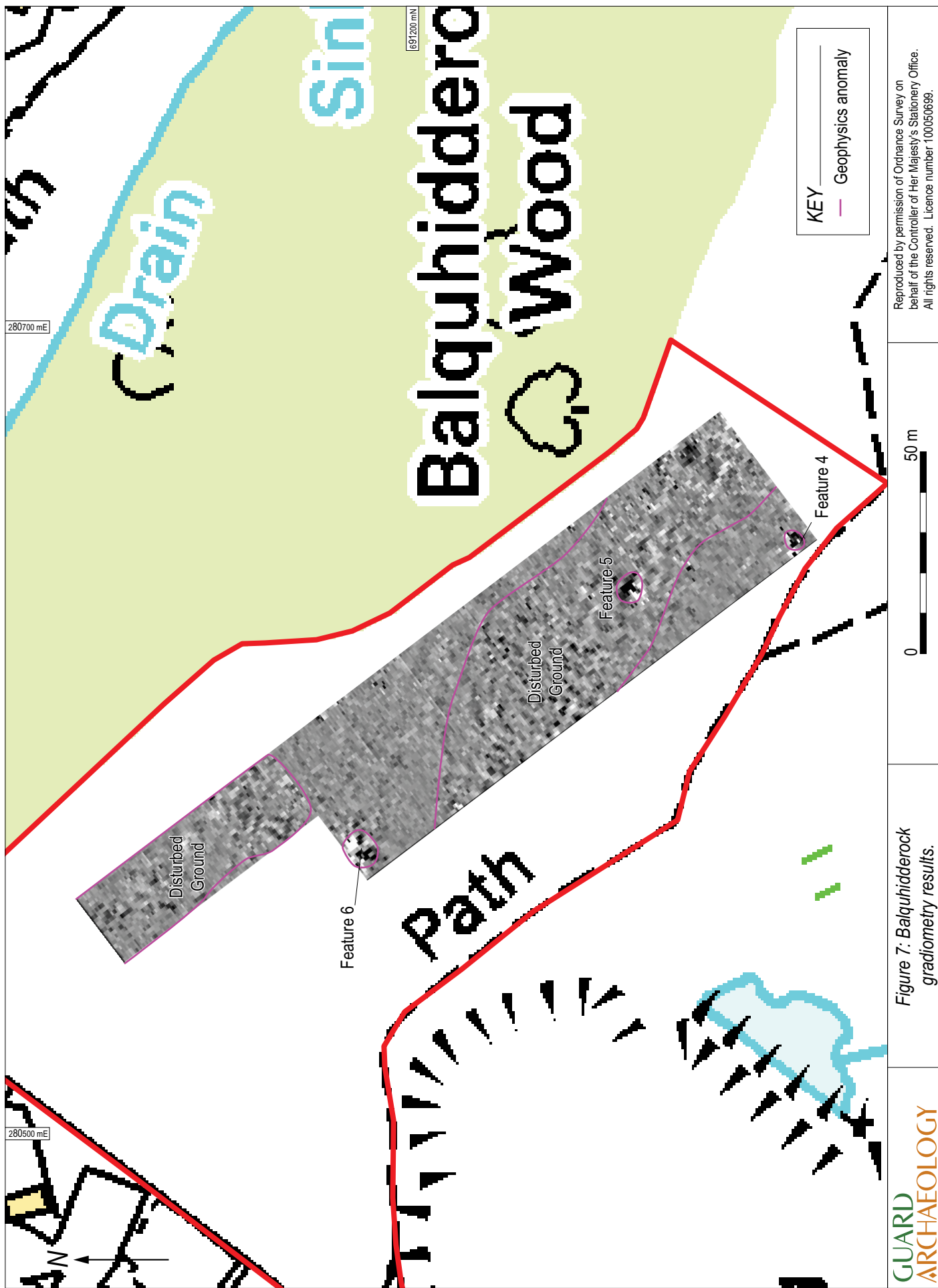
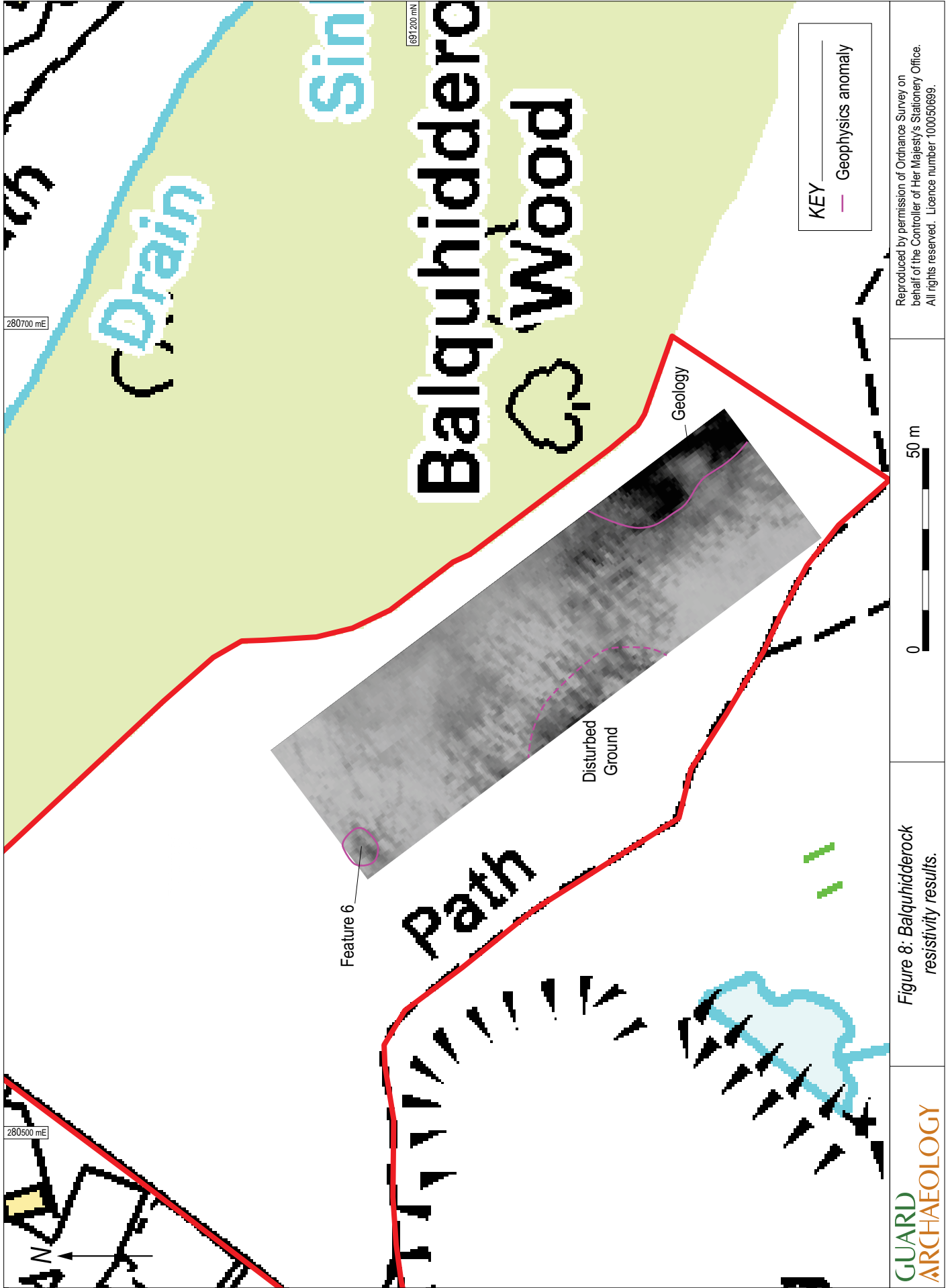


Figure 6: Braehead resistivity results





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Figure 8: Balquhiderock resistivity results.



## 7.4 Metal-detecting results

7.4.1 The metal-detecting survey covered two areas; a total of 1.04 hectares across the Braehead area and 0.68 hectares in Balquhiddelock Wood. In Braehead they recovered a total of 78 finds while in Balquhiddelock Wood 55 finds were revealed (Figures 9 and 10). Finds such as agricultural machinery debris and modern picnic refuse in the form of bottle tops and ring pulls were discarded without a finds number.

### Braehead

7.4.2 The retained finds in Braehead included 11 coins; where identifiable the coins ranged from nineteenth to mid to later twentieth century date (Figure 9). One of the coins (MD SF 35) appears to be considerably smaller in size than the nineteenth century example and may therefore be an earlier coin. There were also five un-identified coins which appear similar in form to other twentieth century coins found but are corroded to an extent that they cannot be easily identified. Perhaps more significantly, considering the context of the wider Bannockburn 700 project, there was a lead musket ball (MD SFs 61) measuring 17 mm in diameter and weighing 30g (Plate 1). Other items of potential interest are those iron objects that are tapered to a point or edge (MD SFs 8, 10, 26, 27, 42 and 52). Most of them, MD SFs 8, 10, 26 and 52 appear to be rectangular in shape and section with pointed end. MD SF 27 appears to be rectangular in section and much shorter in length at 50 mm. MD SF 42 is triangular in shape and it could be a tip for a possible agricultural implement.

7.4.3 Other finds recovered included two buttons (MD SFs 29 and 51) of varying size, a rectangular iron buckle (MD SF 53) and a copper alloy clasp (MD SF 73). One lead bale seal (MD SF 70), possibly dating to nineteenth century, a possible iron seal (MD SF 60), an iron model arm and clenched fist (MD SF 57) as well as several horseshoe fragments (MD SFs 9, 12, 13, 32 and 44) were among the other finds recovered.

7.4.4 These finds seem to be concentrated on the edges of the field surveyed, with hardly any found on the centre. It is significant however, that most of the possibly earliest finds are located on the south side of the field, close to the burn.

### Balquhiddelock Wood

7.4.5 A total of 5 coins were found in Balquhiddelock Wood (Figure 10). One of the coins (MD SF 19) is a silver coin from the Elizabethan period while the rest of coins ranged most likely from nineteenth to twentieth century (Plate 2). Two spikes were also recovered during the metal detector survey (MD SFs 4 and 35), other possible finds which were interesting in the battlefield context included a possible iron harness piece (MD SF 6).

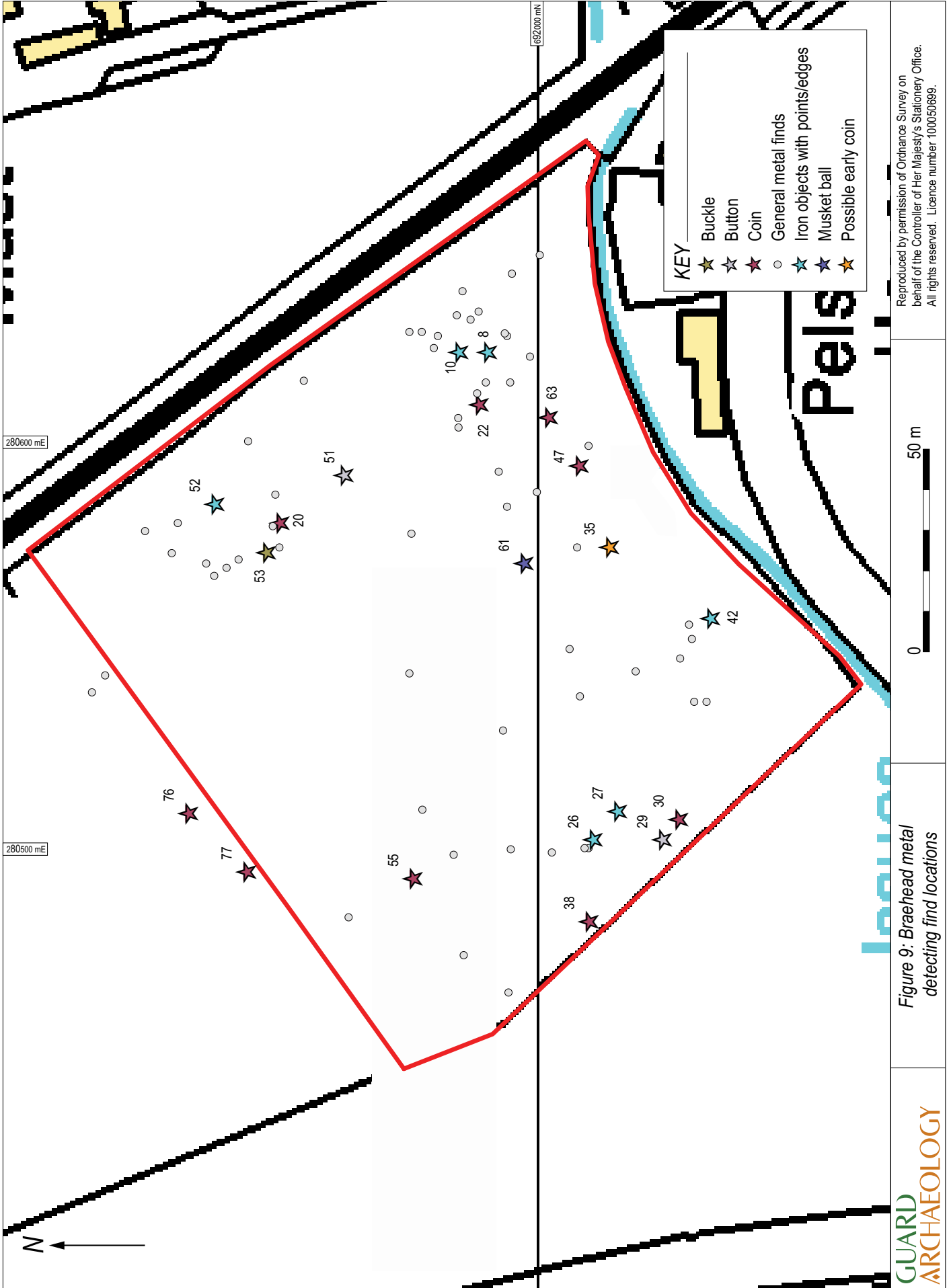
7.4.6 There is a clear concentration of finds in the south east side of the field surveyed, especially near the wood, with some random finds located on the north corner.



Plate 1: Musket ball MD SF 61.



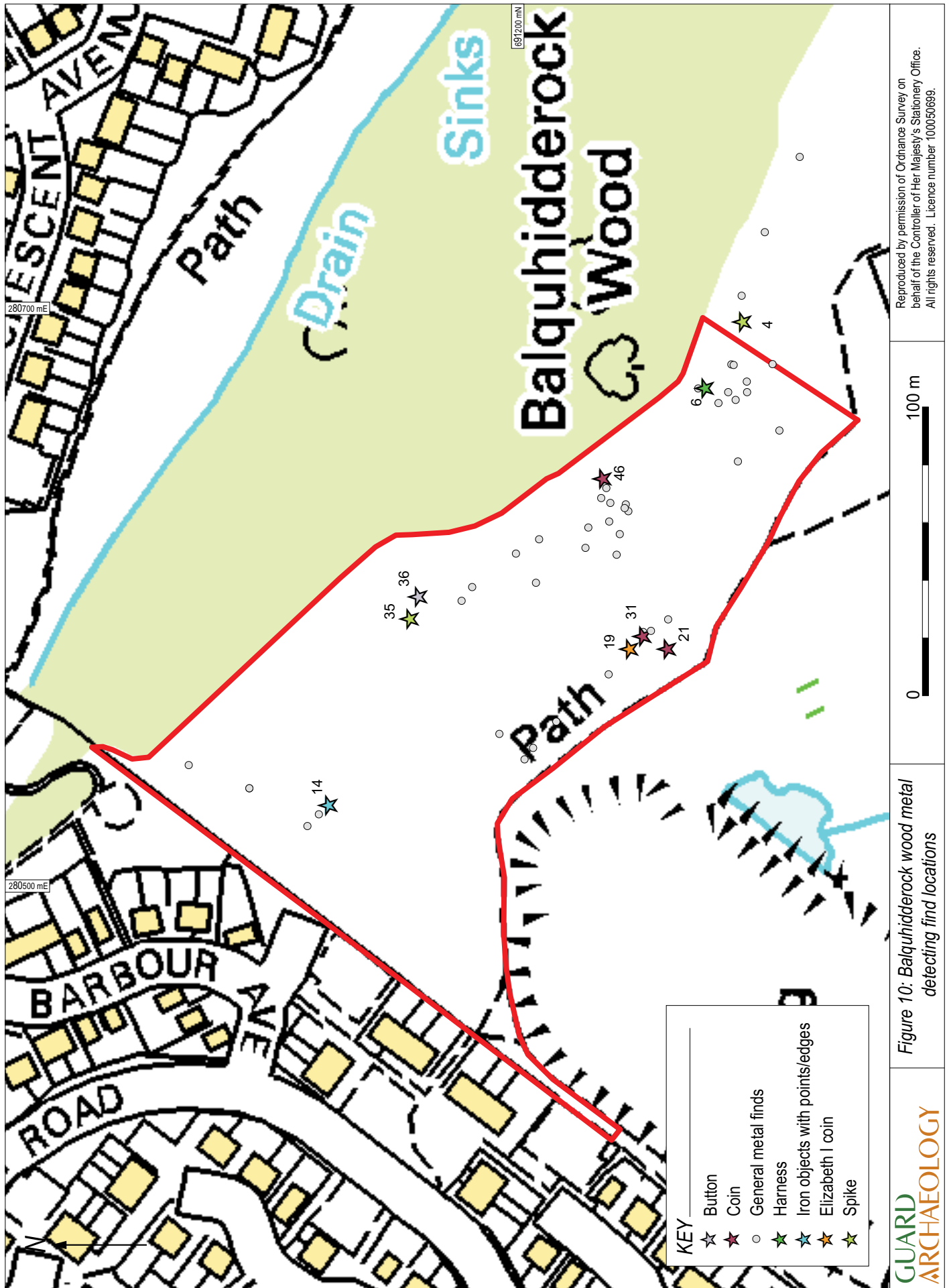
Plate 2: Elizabethan silver coin MD SF 19.



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0 50 m

Figure 9: Braehead metal detecting find locations



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0 100 m

Figure 10: Balquhidderock wood metal detecting find locations

## 7.5 Archaeological test pit results



*Plate 3: Braehead working shot with volunteers.*



*Plate 4: Balquhiddelock Wood working shot with Bannockburn High School.*

- 7.5.1 There were a total of 139 test pits excavated by hand and these will be described in summary by area or address below with the full record of the test pit recording sheets in Appendix B to D.

### Braehead

- 7.5.2 There were a total of 80 test pits excavated across this site and these were excavated systematically across a grid system set out for these investigations (Figure 2). There were also a total of eight test pits positioned over three geophysical anomalies (TP 62-64, TP 65 & 66 and TP 67-69) but none of these test pits presented any archaeological features (Appendix B).
- 7.5.3 Only one of the test pits revealed an archaeological feature, a possible fire pit, TP77. A dark clay fill with charcoal remains (77004) was exposed under a hard yellow/orange clay 0.13m thick interface layer. This was overlaid by transitional layer of mixture of clay/sandy deposit 0.15 m thick which was underneath 0.13 m deep topsoil. No significant finds were recovered from any of these deposits apart from pottery and bone, which could help to date and identify the character of this feature. However a sample was retained for potential archaeobotanical analysis and dating.
- 7.5.4 In general the test pits revealed firm mid grey brown clayish silt or loam between 0.1 -0.3 m thick topsoil overlaying an intermediate layer of orange brown or orange grey clay with coal or debris/bricks 0.1-0.3 m deep over grey or grey brown clay subsoil.
- 7.5.5 The most significant finds encountered during the excavation of the archaeological test pits included medieval green glazed fragments. They were found in two test pits: a white gritty fragment dated to 13-14<sup>th</sup> century (TP SF 103) in TP49 and a reduced green glazed dated to 14-15<sup>th</sup> century (TP SF 56) in TP54. Both test pits are located approximately in the centre of the studied area. A considerable amount of late medieval (14-15<sup>th</sup> century) pottery in the form of green glazed, reduced ware and red ware or oxidised ware were also discovered mostly on the southern area of the grid (TP 14, 20, 29, 36, 40, 71 and 77) and three possible late medieval pottery fragments were found in test pits TP 59, 60 and 66. Apart from pottery a copper alloy button (TP SF 106), flint flakes (TP SF 121), a copper alloy possible strap of a belt buckle (TPSF 122) were also found during the investigations. Two iron objects one with tapered point and the other rectangular in shape and section found on TP 28 (TP SF 15) are worth a mention due to the context of possible medieval battle site.

### Balquhiddelock Wood

- 7.5.6 They were no archaeological features found in any of the 47 test pits hand-excavated in Balquhiddelock Wood. Three of these test pits were positioned over two geophysical anomalies (TP43-44 and 45) but no archaeological features were observed in either of these test pits (Figure 3). In general they revealed mid brown silty sand and on occasions mid brown silty clay topsoil 0.2-0.3 m thick over orange brown sandy gravel subsoil (Appendix C).

7.5.7 The most significant finds discovered during these investigations include medieval pottery fragments encountered in TP 14, a Scottish red ware dated to the 14<sup>th</sup> century (TP SF 17) and a Scottish red ware maybe late medieval sherd in TP 30 (TP SF 60). Two late medieval, 14-15<sup>th</sup> century, pottery fragments were also observed in TP 18 (TP SF 15) and a base of a jug in TP26 (TP SF 8). There is not any obvious concentration of finds in the studied area; however two of the test pits are adjacent to each other: TP26 and TP30. Finally a possible lead strip (TP SF 66) was found in TP 9.

#### Broomridge

7.5.8 Eight test pits were opened in this investigation area, however none of them revealed any archaeological deposits (Figure 4). They exposed mid-brown silty clay 0.1-0.2 m thick topsoil overlaying a very compacted intermediate layer of dark brown clay with frequent rubble and debris up to 0.5 m below surface and beyond the limit of excavation (Appendix D). Local knowledge indicates that the area was used as land-fill after extensive quarrying in the early twentieth century.

7.5.9 No significant finds were encountered in Broomridge, apart modern debris, ceramic and glass most likely related to the use of the site as land fill.

#### Garden test pits

7.5.10 A total of four gardens were investigated during the course of these archaeological excavations (Figure 1). None of them revealed any archaeological feature related to the Battle of Bannockburn, however in the test pit dug in 156 Bannockburn Road a rough intermittent line of un-worked irregular stone within rubble layer (4002) was recorded. It was interpreted as possible remnants of a dry-stone wall [4003]. The associated finds suggest that it is recent and evidence of drystone wall that could be seen in the front garden reinforce this date too (Appendix E).

7.5.11 None of the finds recovered from the garden test pits were significant and all seem recent in date. They included ceramic and clay pipe fragments, some glass and animal bone and possible nails and slag.

## Discussion

8.1 The geophysical survey did reveal several anomalies on the resistivity and gradiometer plots. Unfortunately on this occasion none of the seven trenches targeting the anomalies uncovered features that could be directly related to the Battlefield of Bannockburn.

8.2 The metal-detecting survey revealed the presence of material from the eighteenth through to the present day with the exception of a silver Elizabethan coin, a musket ball, harness, buckle and strap of belt buckle that may be of earlier date. There were other finds of potential significance in the context of battlefield archaeology such as the iron objects with tapered points and edges although these will require cleaning before any further interpretation can be made. Some of the unidentified coinage recovered may be of an earlier date but again this would require further cleaning and analysis.

8.3 The investigations show that there is scant evidence of the Battle of Bannockburn at these locations. The ephemeral nature of the material left behind after battles and the fact that this material has to survive the inevitable looting that would have ensued thereafter, potentially leaves little for the archaeologist. This combined with the fact that all the sites were disturbed in the recent times. Broomridge, had been used for land fill after extensive quarrying; Braehead's field had previously been used for military training during WWII and Balquhiddelock Wood was landscaped during ground-works for Bannockburn High School and its playing fields; this will have inhibited the survival of in situ archaeological deposits and artefacts. However, absence of evidence is not necessarily evidence of absence. The medieval and late medieval pottery fragments and metal finds encountered on these fields do demonstrate the use of these areas in the medieval period, particularly the south side of the field in Braehead. The state of the cultural

material found varied considerably from very heavily worn sherds to some quite sharp-edged sherds. This suggests that at least some of the material was not disturbed to any great extent since the medieval period. The artefactual evidence suggests that the areas investigated were probably being cultivable during the medieval period for the material to have accumulated. The idea that these fields were too boggy to have been traversed by those fighting during the battle or to have been used as a mustering point or compound has therefore been contested.

## Recommendations

- 9.1 The investigation revealed that there is a high volume of coinage and other artefacts of nineteenth to twentieth century date present in the topsoil levels across the sites. Particularly interesting were the Elizabeth I coin found on Balquhiderock Wood and the musket ball, buckle and belt buckle strap found in Braehead, together with the medieval and late medieval pottery fragments found in both sites. For this reason it may be a worthwhile exercise to metal-detect the spoil from any future ground-works proposed on or in the vicinity of these areas. It is also recommended that the musket ball is identified by a specialist to ascertain its potential date and association with a particular battle.
- 9.2 In light of a number of unidentified iron finds of potential significance it is recommended that they are assessed by a battlefield specialist for further analysis. It is also recommended that the samples retained from 77004 are analysed for the survival of archaeobotanical remains and their suitability for AMS dating assessed.

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**Bannockburn Big Dig  
Data Structure Report**

**Section 2: Appendices**



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## Appendices

### Appendix A: References

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### Appendix B: Braehead Test pit records

<b>Braehead Test pit 1</b>	
<i>Description</i>	Firm clay-rich topsoil 0.25 m thick, very firm grey brown clay subsoil
<i>Artefacts</i>	Unidentified pot sherds, coal, glass
<b>Braehead Test pit 2</b>	
<i>Description</i>	Firm clayish topsoil 0.25-0.3 m thick, very firm clay subsoil Small ceramic drain orientated NW-SE
<i>Artefacts</i>	Unidentified pottery, coal, glass



<b>Braehead Test pit 3</b>	
<i>Description</i>	Grey brown silty clay topsoil 0.4 m thick, transition layer of orange brown grey silty clay with freq. coal and red-brick fragments 0.4 m thick, subsoil light grey brown clay. Field drain in base orientated NW-SE
<i>Artefacts</i>	Metal objects, green glaze pottery, white glazed pottery, fossil in shale
<b>Braehead Test pit 4</b>	
<i>Description</i>	Firm topsoil 0.3 m thick over very firm grey brown clay subsoil
<i>Artefacts</i>	Occasional pottery sherds, and glass
<b>Braehead Test pit 5</b>	
<i>Description</i>	Firm clay rich topsoil 0.3 m thick over very firm grey clay subsoil
<i>Artefacts</i>	Unidentified pottery sherds, glass and coal
<b>Braehead Test pit 6</b>	
<i>Description</i>	Wet dark brown loam topsoil 0.3 m thick transition thin layer of silt deposit 0.05 m thick which overlays orangeish brown clay subsoil
<i>Artefacts</i>	Clay pipe stem
<b>Braehead Test pit 7</b>	
<i>Description</i>	Topsoil with some mixed gravel 0.3 m thick over clay/soil with burnt residue 0.1-0.15 m thick over 0.05-0.1 m thick sandy clay which overlays clay subsoil
<i>Artefacts</i>	Modern pottery sherds, slag and coal
<b>Braehead Test pit 8</b>	
<i>Description</i>	Topsoil 0.3 m thick transition layer of orange-grey clay 0.36 m thick over grey clay subsoil
<i>Artefacts</i>	Pottery, one possible medieval piece, clay pipe and burnt animal bone fragment.
<b>Braehead Test pit 9</b>	
<i>Description</i>	Wet dark brown loam topsoil 0.1 m thick transition layer of red/brown clay 0.2 m thick over greyish clay subsoil
<i>Artefacts</i>	Small amount of pottery
<b>Braehead Test pit 10</b>	
<i>Description</i>	Wet dark brown topsoil 0.2 m thick transition layer medium brown clayish soil with lots of charcoal and orange very thick bricks over greyish clay subsoil
<i>Artefacts</i>	Pottery sherds, green glass and pieces of pipe bowl
<b>Braehead Test pit 11</b>	
<i>Description</i>	Clay sandy topsoil 0.3 m thick over friable sticky orange clay with mixed grey mallable clay subsoil
<i>Artefacts</i>	None????
<b>Braehead Test pit 12</b>	
<i>Description</i>	Mid grey orange brown silty clay topsoil with inclusions of few small stones and pebbles 0.06-0.11 m deep over light orange brown clay with occasional to moderate small stones, pebbles and charcoal flecks
<i>Artefacts</i>	Modern pottery (with one base piece)
<b>Braehead Test pit 13</b>	
<i>Description</i>	Brown clayish topsoil 0.2 m thick over brown clay with orange streaks both with mixed stones
<i>Artefacts</i>	Pottery sherds and clay pipe fragments
<b>Braehead Test pit 14</b>	
<i>Description</i>	Wet dark brown clay topsoil 0.3 m thick over orange clay subsoil
<i>Artefacts</i>	Modern pottery, glass, coal with a single piece of 14 <sup>th</sup> century pottery
<b>Braehead Test pit 15</b>	
<i>Description</i>	Wet mild dark brown clay 0.5 m thick over clay subsoil
<i>Artefacts</i>	Pottery sherds, clay pipe fragment, coal and nail
<b>Braehead Test pit 16</b>	
<i>Description</i>	Heavy clay with coal topsoil 0.2 m thick over pale orange-beige subsoil
<i>Artefacts</i>	Very small piece of pottery
<b>Braehead Test pit 17</b>	
<i>Description</i>	*Number not used*
<i>Artefacts</i>	

<b>Braehead Test pit 18</b>	
<i>Description</i>	Light sandy brown/grey with small stones topsoil
<i>Artefacts</i>	Glass, pottery, metal (some nail), charcoal and slag
<b>Braehead Test pit 19</b>	
<i>Description</i>	Hard clayish topsoil 0.3 m thick getting orange towards the grey clay subsoil
<i>Artefacts</i>	Pottery
<b>Braehead Test pit 20</b>	
<i>Description</i>	Medium brown loose topsoil 0.2 m thick over grey-orange clay subsoil
<i>Artefacts</i>	Piece of green glazed pottery, bone, metal pieces, pottery and glass.
<b>Braehead Test pit 21</b>	
<i>Description</i>	Dark brown sandy topsoil 0.1 m thick transitional layer of clayish soil with some stones and building rubble 0.3 m thick over grey clay subsoil
<i>Artefacts</i>	Possible metal belt buckle part, green glazed pottery, clay pipe fragment, random pottery and assorted building rubble
<b>Braehead Test pit 22</b>	
<i>Description</i>	Medium grey friable topsoil 0.2 m thick transitional layer of orangey brown clay 0.1 m thick over orange clay subsoil
<i>Artefacts</i>	Modern pottery sherds
<b>Braehead Test pit 23</b>	
<i>Description</i>	Reddish brown loam/clay topsoil 0.28 m thick transitional layer of orange/brown clay 0.03 m thick over orange/grey clay subsoil
<i>Artefacts</i>	Clay pipe fragments, modern pottery, glass and metal object
<b>Braehead Test pit 24</b>	
<i>Description</i>	Topsoil 0.23 m thick transitional orange clay 0.23 m thick over grey clay subsoil
<i>Artefacts</i>	Pottery and slag
<b>Braehead Test pit 25</b>	
<i>Description</i>	Grey sandy topsoil circa 0.1 m thick transitional layer of sandy clay with some inclusions circa 0.2 m thick over silty clay light brown layer
<i>Artefacts</i>	Modern pottery and glass, clay pipe and charcoal
<b>Braehead Test pit 26</b>	
<i>Description</i>	Brown grey clay topsoil 0.1 m thick over clay subsoil
<i>Artefacts</i>	Glazed pottery and coal
<b>Braehead Test pit 27</b>	
<i>Description</i>	Brown topsoil 0.26 m thick transitional layer of orange-grey with coal flecks
<i>Artefacts</i>	Pottery, glass, clay pipe and charcoal
<b>Braehead Test pit 28</b>	
<i>Description</i>	Dark brown topsoil 0.15 m thick transitional layer of greyish brown clay with orange flecks 0.35 m thick over grey clay subsoil
<i>Artefacts</i>	Metal objects, pottery sherds, glass and clay pipe fragment
<b>Braehead Test pit 29</b>	
<i>Description</i>	Light easily malleable topsoil 0.2 m thick over orange grey clay subsoil
<i>Artefacts</i>	Modern pottery, green glass, medieval green glazed (14 <sup>th</sup> century), clay pipe and charcoal/coal
<b>Braehead Test pit 30</b>	
<i>Description</i>	Grey- brown topsoil 0.21 m thick transitional layer 0.15 m thick over orangey -brown subsoil
<i>Artefacts</i>	Pottery and glass
<b>Braehead Test pit 31</b>	
<i>Description</i>	Dark brown with occasional stones topsoil 0.3 m thick transitional layer of brown sandy clay 0.3 m thick over clay subsoil
<i>Artefacts</i>	Green glass, pottery and possible metal objects
<b>Braehead Test pit 32</b>	
<i>Description</i>	Mid grey brown silty loam clay topsoil 0.3 m thick over orange-brown clay subsoil
<i>Artefacts</i>	Pottery
<b>Braehead Test pit 33</b>	
<i>Description</i>	Loamy dark brown topsoil 0.1 m thick transitional layer of loamy clay 0.15 m thick over orange light brown sandy loam 0.15 m thick
<i>Artefacts</i>	Charcoal/coal, pottery and metal

<b>Braehead Test pit 34</b>	
<i>Description</i>	Moderate to hardly compacted mid brown silty clay topsoil 0.15-0.2 m thick (subsoil not reached)
<i>Artefacts</i>	Modern ceramic
<b>Braehead Test pit 35</b>	
<i>Description</i>	Mid brown loam topsoil 0.1 m thick transitional layer of darker brown silt/clay 0.2 m thick over orange clay subsoil
<i>Artefacts</i>	Green glass and modern pottery sherds
<b>Braehead Test pit 36</b>	
<i>Description</i>	Greyish brown topsoil 0.15 m thick transitional layer of grey orange clay 0.15 m thick over blue grey clay
<i>Artefacts</i>	Green glazed pottery (14/15 <sup>th</sup> century), pottery sherds and glass
<b>Braehead Test pit 37</b>	
<i>Description</i>	Medium brown topsoil 0.15 thick transitional layer of medium orange brown sandy clay with inclusions of charcoal and brick 0.3 m thick over heavy clay subsoil
<i>Artefacts</i>	Bottle glass, ceramic and brick fragments
<b>Braehead Test pit 38</b>	
<i>Description</i>	Light brown loam topsoil 0.1 m transitional layer of silty clay 0.3 m thick over grey subsoil
<i>Artefacts</i>	Green glazed rim (16 <sup>th</sup> century?), ceramic, brick and pipe stem
<b>Braehead Test pit 39</b>	
<i>Description</i>	Topsoil 0.1 m thick transitional layer of sandy clay 0.3 m thick over clay subsoil
<i>Artefacts</i>	Pottery, glass and charcoal
<b>Braehead Test pit 40</b>	
<i>Description</i>	Brown/grey clayish topsoil 0.1 m thick transitional layer of clay soil 0.4 m thick over subsoil
<i>Artefacts</i>	Medieval pottery (14 <sup>th</sup> century?), flint and unidentified object (pottery/metal?)
<b>Braehead Test pit 41</b>	
<i>Description</i>	Topsoil 0.2 m thick over clay subsoil
<i>Artefacts</i>	Small pieces of pottery, glass and clay pipe
<b>Braehead Test pit 42</b>	
<i>Description</i>	Dark organic topsoil with approximately 10-15 % of small stones 0.3 m thick transitional layer of sandy silt clayish soil 0.4 m thick over orange clay subsoil
<i>Artefacts</i>	Pottery, a pewter button and small pieces of charcoal/coal
<b>Braehead Test pit 43</b>	
<i>Description</i>	Mid grey brown silt clay topsoil 0.23 m thick transitional layer of orange grey clay with coal/clay specks 0.06 m thick over orange grey clay subsoil
<i>Artefacts</i>	Ceramic, CBM fragments
<b>Braehead Test pit 44</b>	
<i>Description</i>	Wet dark brown topsoil 0.18 m thick over light brown yellow clay subsoil
<i>Artefacts</i>	Glass and pottery
<b>Braehead Test pit 45</b>	
<i>Description</i>	Topsoil 0.3 m thick over wet clay subsoil
<i>Artefacts</i>	Coal, slate and other unidentifiable finds
<b>Braehead Test pit 46</b>	
<i>Description</i>	Firm clayey topsoil 0.3 m thick over extremely firm clay subsoil
<i>Artefacts</i>	Pottery, red brick and other unidentified finds
<b>Braehead Test pit 47</b>	
<i>Description</i>	Grey topsoil with small stone inclusion 0.3 m thick transitional layer of sandy clay over light brown silty clay subsoil
<i>Artefacts</i>	Brick/floor tiles and pottery
<b>Braehead Test pit 48</b>	
<i>Description</i>	Light brown topsoil 0.3 m thick over grey brown very very firm clay
<i>Artefacts</i>	Pottery sherds and glass
<b>Braehead Test pit 49</b>	
<i>Description</i>	Damp dark brown topsoil circa 0.2 m thick over clay subsoil
<i>Artefacts</i>	Pottery sherds

<b>Braehead Test pit 50</b>	
<i>Description</i>	Dark grey brown silty loam topsoil 0.3 m thick over pale brown clay loam subsoil
<i>Artefacts</i>	Pottery sherds and glass
<b>Braehead Test pit 51</b>	
<i>Description</i>	Red brown silty loam 0.08 m thick transitional layer of red brown silty clay 0.2 m thick over red brown clay subsoil
<i>Artefacts</i>	Nails, ceramic and glass fragments
<b>Braehead Test pit 52</b>	
<i>Description</i>	Topsoil 0.15 m thick over clay subsoil
<i>Artefacts</i>	Some pottery, possible green glazed (14 <sup>th</sup> century) pottery
<b>Braehead Test pit 53</b>	
<i>Description</i>	Topsoil 0.3 m thick transitional layer of medium brown clay 0.7 m thick over clay subsoil
<i>Artefacts</i>	Pottery sherds, charcoal, metal and slag
<b>Braehead Test pit 54</b>	
<i>Description</i>	Mid greyish brown silt clay 0.3 m thick over light brown clay subsoil
<i>Artefacts</i>	Pottery and glass
<b>Braehead Test pit 55</b>	
<i>Description</i>	Topsoil 0.1 m thick transitional layer of medium brown sandy clay 0.25 m thick over dark grey clay subsoil
<i>Artefacts</i>	Ceramic and glass
<b>Braehead Test pit 56</b>	
<i>Description</i>	Topsoil 0.05 m thick transitional dark brown soil 0.45 m thick over clay subsoil
<i>Artefacts</i>	Metal, glass and pottery
<b>Braehead Test pit 57</b>	
<i>Description</i>	Mix of brown wet sand topsoil 0.18 m thick transitional layer of grey clay 0.1m thick overlaying sand layer 0.05 m thick over grey clay subsoil
<i>Artefacts</i>	Glass, pottery, bloom and unidentified stone finds
<b>Braehead Test pit 58</b>	
<i>Description</i>	Light dark semi damp topsoil 0.1 m thick transitional layer of light dark soil over dark clay subsoil
<i>Artefacts</i>	Pieces of pottery
<b>Braehead Test pit 59</b>	
<i>Description</i>	Topsoil with inclusions of stones and coal/charcoal 0.45 m thick over black clay
<i>Artefacts</i>	Pottery and metal
<b>Braehead Test pit 60</b>	
<i>Description</i>	Dark brown damp topsoil 0.1 m thick transitional layer of red brown clay/sand 0.15 m thick (subsoil not reached)
<i>Artefacts</i>	Red brick, glass, ceramic and big bit of slate/pottery
<b>Braehead Test pit 61</b>	
<i>Description</i>	Mid grey brown silty clay topsoil 0.3m thick over light orange grey clay subsoil
<i>Artefacts</i>	Ceramic and glass sherds
<b>Braehead Test pit 62</b>	
<i>Description</i>	Grey brown sandy topsoil 0.3 m thick transitional layer of orange brown sandy clay 0.15 m thick over grey clay
<i>Artefacts</i>	Ceramics and glass
<b>Braehead Test pit 63</b>	
<i>Description</i>	Light brown topsoil over darker clay
<i>Artefacts</i>	Marble from lemonade bottle and glass
<b>Braehead Test pit 64</b>	
<i>Description</i>	Sandy and grey topsoil 0.4 m thick transitional layer of orange silty clay 0.4 m thick over sandy subsoil
<i>Artefacts</i>	Pottery sherds
<b>Braehead Test pit 65</b>	
<i>Description</i>	Mid orange-grey brown silty clay with small stones topsoil 0.3 m thick transitional layer over mid light orange brown clay subsoil
<i>Artefacts</i>	Modern pottery and glass

<b>Braehead Test pit 66</b>	
<i>Description</i>	Mid orange grey brown silty clay with small stones topsoil circa 0.3-0.4 m thick transitional layer over mid orange brown clay subsoil
<i>Artefacts</i>	Modern pottery
<b>Braehead Test pit 67</b>	
<i>Description</i>	Wet dark clay loam topsoil 0.3 m thick
<i>Artefacts</i>	Modern pottery, coal, shale and bricks
<b>Braehead Test pit 68</b>	
<i>Description</i>	Wet dark clay loam topsoil 0.3 m thick
<i>Artefacts</i>	Modern pottery, coal, shale and bricks
<b>Braehead Test pit 69</b>	
<i>Description</i>	Dark brown clay/loam topsoil 0.3 m thick over clay subsoil
<i>Artefacts</i>	Modern pottery, brick and glass
<b>Braehead Test pit 70</b>	
<i>Description</i>	Light brown topsoil 0.3 m thick transitional layer of brown orange clay 0.2 m thick over soft dark grey clay subsoil
<i>Artefacts</i>	Pottery sherds
<b>Braehead Test pit 71</b>	
<i>Description</i>	Mid grey brown clayish loam topsoil 0.3 m thick (subsoil not reached)
<i>Artefacts</i>	Pottery, clay pipe, possible green glazed pottery
<b>Braehead Test pit 72</b>	
<i>Description</i>	Mid grey brown silty clay topsoil 0.3m thick over light orange grey clay subsoil
<i>Artefacts</i>	Glass and ceramic
<b>Braehead Test pit 73</b>	
<i>Description</i>	Medium brown sand and clay topsoil approximately 0.3 m thick over heavy clay subsoil
<i>Artefacts</i>	Pottery, coal and quartz
<b>Braehead Test pit 74</b>	
<i>Description</i>	Topsoil 0.3 m thick over firm grey clay subsoil
<i>Artefacts</i>	Pottery, many stones and pieces of cinder
<b>Braehead Test pit 75</b>	
<i>Description</i>	Topsoil 0.1 m thick transitional layer of softer brown soil 0.1 m thick over clay subsoil
<i>Artefacts</i>	Charcoal, possible pottery, nail? And shotgun pellet
<b>Braehead Test pit 76</b>	
<i>Description</i>	Moderate to hardly compacted mid grey brown silt clay topsoil 0.25 – 0.3 m thick over light brown grey clay subsoil
<i>Artefacts</i>	No finds
<b>Braehead Test pit 77</b>	
<i>Description</i>	Topsoil 0.13 m thick transitional layer of mixture of clay/sandy 0.15 m thick over hard yellow/orange clay 0.13 m thick covering a darker clay possible fire pit with charcoal remains
<i>Artefacts</i>	Small fragments of pottery, bone
<b>Braehead Test pit 78</b>	
<i>Description</i>	Very firm clayey silt topsoil 0.35 m thick over very compacted grey clay
<i>Artefacts</i>	Pottery sherds, glass and unidentified objects
<b>Braehead Test pit 79</b>	
<i>Description</i>	Moderate to hardly compacted mid grey brown silt clay topsoil 0.25 m thick over light brown grey clay
<i>Artefacts</i>	Glass and ceramic
<b>Braehead Test pit 80</b>	
<i>Description</i>	Brown loamy topsoil 0.25 m thick with interface layer over clay subsoil
<i>Artefacts</i>	Pottery sherds with green glazed fragment

### Appendix C: Balqhiggerock Wood Test pit records

<b>Balqhiggerock Wood Test pit 1</b>	
<i>Description</i>	Topsoil 0.28 m thick, beige brown silty sand over brownish orange gravelly sand subsoil
<i>Artefacts</i>	Modern glass shard, white glazed pottery, orange pottery, coal fragments throughout
<b>Balqhiggerock Wood Test pit 2</b>	
<i>Description</i>	Dark brown topsoil 0.3 m thick, silty sand subsoil below
<i>Artefacts</i>	Iron object, pottery, glass, coal
<b>Balqhiggerock Wood Test pit 3</b>	
<i>Description</i>	Dark brown topsoil 0.34 m thick, orange brown subsoil
<i>Artefacts</i>	Pottery with little glaze remaining, white glazed pottery and slag
<b>Balqhiggerock Wood Test pit 4</b>	
<i>Description</i>	Greyish brown topsoil 0.25-0.3 m thick, light yellow clay subsoil in this location
<i>Artefacts</i>	Pottery, glass, coal
<b>Balqhiggerock Wood Test pit 5</b>	
<i>Description</i>	Beige brown topsoil of silty sand 0.28 m thick, subsoil light brownish orange fine-grained sand with gravel inclusions
<i>Artefacts</i>	Cream-glazed pottery, glass shards
<b>Balqhiggerock Wood Test pit 6</b>	
<i>Description</i>	Dark brown topsoil 0.27-0.3 m thick, subsoil of orange sandy silt
<i>Artefacts</i>	pottery
<b>Balqhiggerock Wood Test pit 7</b>	
<i>Description</i>	Topsoil- mid-brown silty clay loam 0.3 m thick Subsoil- orange brown gravelly silt
<i>Artefacts</i>	1 sherd possible medieval green-glaze pot, 1 sherd with white glaze
<b>Balqhiggerock Wood Test pit 8</b>	
<i>Description</i>	Mid-brown silty clay topsoil 0.3 m thick, mid-orange brown gravelly silt subsoil
<i>Artefacts</i>	2 x Pottery sherds
<b>Balqhiggerock Wood Test pit 9</b>	
<i>Description</i>	Mid-grey brown silty clay topsoil 0.32 m thick, light orange brown sandy clay subsoil
<i>Artefacts</i>	5 sherds of pottery, metal object
<b>Balqhiggerock Wood Test pit 10</b>	
<i>Description</i>	Dark brown topsoil, humic 0.3 m thick Subsoil orange sandy gravel
<i>Artefacts</i>	Ceramic drain fragments, slate, coal, glass, pottery
<b>Balqhiggerock Wood Test pit 11</b>	
<i>Description</i>	Dark brown topsoil 0.3 m thick, layer below is orange sand
<i>Artefacts</i>	Clay pipe fragment
<b>Balqhiggerock Wood Test pit 12</b>	
<i>Description</i>	Light brown silty sand 0.39 m thick, subsoil orange brown sand
<i>Artefacts</i>	Tile, animal bone, coal

<b>Balqhiggerock</b> <b>Wood Test pit 13</b>	
<i>Description</i>	Dark brown silty sand topsoil 0.27 m thick, bleached brown subsoil
<i>Artefacts</i>	Red-brick fragments
<b>Balqhiggerock</b> <b>Wood Test pit 14</b>	
<i>Description</i>	Medium brown topsoil 0.32 m thick, brownish orange subsoil
<i>Artefacts</i>	Possible medieval pot sherd
<b>Balqhiggerock</b> <b>Wood Test pit 15</b>	
<i>Description</i>	Mid-brown silty clay loam topsoil Orange brown sandy gravel
<i>Artefacts</i>	Pottery, coal, drain pipe, china, 1 possible medieval pot sherd
<b>Balqhiggerock</b> <b>Wood Test pit 16</b>	
<i>Description</i>	Mid-brown silty sand topsoil 0.26 m thick Subsoil was brownish orange sandy gravel
<i>Artefacts</i>	Show heel fragment, pottery sherds
<b>Balqhiggerock</b> <b>Wood Test pit 17</b>	
<i>Description</i>	Dark brown silty sand topsoil 0.31 m thick Light brown (golden) fine-grained sand
<i>Artefacts</i>	Pottery
<b>Balqhiggerock</b> <b>Wood Test pit 18</b>	
<i>Description</i>	Dark brown topsoil 0.3 m thick, over older mid-brown topsoil 0.28 m thick, subsoil was orange sand
<i>Artefacts</i>	Pottery
<b>Balqhiggerock</b> <b>Wood Test pit 19</b>	
<i>Description</i>	Light brown topsoil 0.3 m thick over sandy light brown soil (former topsoil) of 0.3 m thickness,
<i>Artefacts</i>	Metal, pottery, coal, glazed stone??
<b>Balqhiggerock</b> <b>Wood Test pit 20</b>	
<i>Description</i>	Light brown topsoil darkening towards base 0.38 m thick Beige sand subsoil
<i>Artefacts</i>	Pottery, glass, coal
<b>Balqhiggerock</b> <b>Wood Test pit 21</b>	
<i>Description</i>	Light brown silty sand 0.35 m thick Beige brown sand subsoil
<i>Artefacts</i>	Green glass, coal, pottery sherds
<b>Balqhiggerock</b> <b>Wood Test pit 22</b>	
<i>Description</i>	Grey brown silty sand topsoil 0.35 m thick Orange brown gravelly sand subsoil
<i>Artefacts</i>	Coal, sandstone fragments
<b>Balqhiggerock</b> <b>Wood Test pit 23</b>	
<i>Description</i>	Topsoil- Grey brown silty sand with small rounded pebbles, 0.3 m thick Subsoil- orange brown gravelly sand, slight traces of pink clay in sw corner of pit
<i>Artefacts</i>	Clay pipe stem, 8 pottery sherds
<b>Balqhiggerock</b> <b>Wood Test pit 24</b>	
<i>Description</i>	Mid-brown silty sand 0.29 m thick Subsoil of brown orange v. fine-grained sand
<i>Artefacts</i>	Pottery and coal

<b>Balqhidderock</b> <b>Wood Test pit 25</b>	
<i>Description</i>	Grey brown silty sand 0.45 m thick, beige/brown fine-grained sand with grey mottling with animal burrows
<i>Artefacts</i>	Pockets of clay? Pottery sherds, clay pipe bowl fragment
<b>Balqhidderock</b> <b>Wood Test pit 26</b>	
<i>Description</i>	Grey brown silty sand topsoil 0.31 m thick, mottled beige/brown sand subsoil, mole tunnels in base
<i>Artefacts</i>	Green-glazed pot sherd (medieval ?) and 2 sherds of post-medieval pottery
<b>Balqhidderock</b> <b>Wood Test pit 27</b>	
<i>Description</i>	Dark brown topsoil, orange brown gravelly sand
<i>Artefacts</i>	Pottery and chalk
<b>Balqhidderock</b> <b>Wood Test pit 28</b>	
<i>Description</i>	Topsoil 0.3 m thick above layer of mid-brown sandy soil 0.35 m thick, subsoil of orange sandy silt
<i>Artefacts</i>	Post-medieval pottery sherds, glass, 1 potential medieval pot sherd
<b>Balqhidderock</b> <b>Wood Test pit 29</b>	
<i>Description</i>	Crumbly brown sandy topsoil, freq. small stones and gravel, occas. coal fragments
<i>Artefacts</i>	Glass, pottery, tile, coal
<b>Balqhidderock</b> <b>Wood Test pit 30</b>	
<i>Description</i>	Grey brown silty sand topsoil 0.4 m thick
<i>Artefacts</i>	Pottery, coal, slag, bone (animal)
<b>Balqhidderock</b> <b>Wood Test pit 31</b>	
<i>Description</i>	Brown topsoil 0.55 m thick, orange subsoil
<i>Artefacts</i>	Pottery, glass, burnt bone, coal
<b>Balqhidderock</b> <b>Wood Test pit 32</b>	
<i>Description</i>	Dark brown topsoil 0.25 m deep, transition layer of sandy silt 0.3 m thick, orange brown sand subsoil
<i>Artefacts</i>	Pottery, cracked stone, coal, metal nail
<b>Balqhidderock</b> <b>Wood Test pit 33</b>	
<i>Description</i>	Topsoil dark brown 0.3 m thick, intermediate layer of medium brown sandy silt, orange subsoil
<i>Artefacts</i>	Glass, metal pieces, pottery, coal
<b>Balqhidderock</b> <b>Wood Test pit 34</b>	
<i>Description</i>	Topsoil 0.3 m thick, lying over older topsoil of 0.35 m thickness. Subsoil mixed, patchy appearance due to roots and animal burrows
<i>Artefacts</i>	Yellow glazed pottery, green glass
<b>Balqhidderock</b> <b>Wood Test pit 35</b>	
<i>Description</i>	Brown topsoil 0.3 m thick, orange subsoil.
<i>Artefacts</i>	Bone, glass, pottery, slag, coal, slate
<b>Balqhidderock</b> <b>Wood Test pit 36</b>	
<i>Description</i>	Topsoil dark brown, interface layer of mid-brown sandy silt, subsoil was orange sand
<i>Artefacts</i>	Post-medieval pot sherds



<b>Balqhiggerock</b> <b>Wood Test pit 37</b>	
<i>Description</i>	Light brown topsoil 0.3 m thick, above 0.3 m of more sandy soil (former topsoil), subsoil of orange sand, freq roots and animal disturbance
<i>Artefacts</i>	Coal, metal fragments, pottery
<b>Balqhiggerock</b> <b>Wood Test pit 20</b>	
<i>Description</i>	Light brown topsoil darkening towards base of pit Subsoil lighter brown sand
<i>Artefacts</i>	Post-medieval pottery sherd, glass, coal
<b>Balqhiggerock</b> <b>Wood Test pit 21</b>	
<i>Description</i>	Light brown silty sand topsoil 0.35 m thick Beige brown sand subsoil
<i>Artefacts</i>	Green glass, coal, post-medieval pottery
<b>Balqhiggerock</b> <b>Wood Test pit 22</b>	
<i>Description</i>	Grey brown silty sand topsoil 0.35 m thick Orange brown gravelly sand subsoil
<i>Artefacts</i>	Coal, sandstone, clay
<b>Balqhiggerock</b> <b>Wood Test pit 23</b>	
<i>Description</i>	Topsoil- grey brown silty sand with small sub-rounded pebbles 0.3 m thick Subsoil- orange brown gravelly sand, v slight traces of pink clay in south-west corner
<i>Artefacts</i>	Clay pipe stem, post-medieval pot sherds
<b>Balqhiggerock</b> <b>Wood Test pit 24</b>	
<i>Description</i>	Topsoil- mid-brown silt sand 0.22 m thick Subsoil-brown orange sand (v fine grained)
<i>Artefacts</i>	Pottery, coal
<b>Balqhiggerock</b> <b>Wood Test pit 25</b>	
<i>Description</i>	Grey brown silty sand firm topsoil 0.45 m Beige brown fine grained sand with grey mottling (animal burrows frequent)
<i>Artefacts</i>	Pottery towards base of pit, clay pockets from mid-level of topsoil, clay pipe bowl fragment (early?)
<b>Balqhiggerock</b> <b>Wood Test pit 26</b>	
<i>Description</i>	Grey brown silty sand topsoil 0.31 m deep Mottled beige/brown sand subsoil, mole action prevalent
<i>Artefacts</i>	Green glazed pottery, 2 sherds of more recent pottery
<b>Balqhiggerock</b> <b>Wood Test pit 27</b>	
<i>Description</i>	Dark brown topsoil and orange brown gravelly sand subsoil- topsoil 0.38 m thick
<i>Artefacts</i>	Burnt stone, pottery and chalk
<b>Balqhiggerock</b> <b>Wood Test pit 28</b>	
<i>Description</i>	Topsoil 0.3m thick, dark brown, layer of mid-brown sandy soil below of 0.25 m thick, subsoil at 0.45 m below
<i>Artefacts</i>	Post-medieval pot sherds and glass. One possible medieval pot sherd?
<b>Balqhiggerock</b> <b>Wood Test pit 29</b>	
<i>Description</i>	Crumbly brown sandy topsoil 0.3 m deep Subsoil of orange brown sandy gravel
<i>Artefacts</i>	Glass, pottery, tile, coal
<b>Balqhiggerock</b> <b>Wood Test pit 30</b>	
<i>Description</i>	Topsoil grey brown silty sand 0.4 m thick Subsoil orange brown sandy gravel
<i>Artefacts</i>	Pottery, coal, slag, bone

<b>Balqhiggerock</b> <b>Wood Test pit 31</b>	
<i>Description</i>	Brown topsoil with angled and rounded stones 0.55m deep Subsoil orange sand
<i>Artefacts</i>	Pottery, glass, burnt bone, coal
<b>Balqhiggerock</b> <b>Wood Test pit 32</b>	
<i>Description</i>	Topsoil- dark brown sandy silt 0.3 m thick Subsoil orange brown sand
<i>Artefacts</i>	Pottery, cracked stone, coal, metal nail?
<b>Balqhiggerock</b> <b>Wood Test pit 33</b>	
<i>Description</i>	Topsoil dark brown onto orange subsoil 0.25 m below
<i>Artefacts</i>	Glass, metal fragments, pottery, coal
<b>Balqhiggerock</b> <b>Wood Test pit 34</b>	
<i>Description</i>	Topsoil 0.3 m thick, above similar layer of older topsoil 0.35 m thick, subsoil orange brown gravelly subsoil
<i>Artefacts</i>	Yellow glaze pot, green glass both from upper topsoil
<b>Balqhiggerock</b> <b>Wood Test pit 35</b>	
<i>Description</i>	Brown soil, coal fragments throughout 0.3m deep. Orange subsoil
<i>Artefacts</i>	Bone, glass, pottery, coal, slag, slate
<b>Balqhiggerock</b> <b>Wood Test pit 36</b>	
<i>Description</i>	Brown sandy topsoil with some small stones and inclusions of coal 0.25 m thick Orange sand, natural
<i>Artefacts</i>	Pottery, coal, glass, top of tea pot (white glaze)
<b>Balqhiggerock</b> <b>Wood Test pit 37</b>	
<i>Description</i>	Grey brown silty sand topsoil, loose compaction 0.45 m deep Orange brown sand subsoil
<i>Artefacts</i>	Clay pipe, drain pipe, pottery, animal bone, stone, charcoal
<b>Balqhiggerock</b> <b>Wood Test pit 38</b>	
<i>Description</i>	Brown soil, silty sand- 0.21 m, subsoil orange brown sand
<i>Artefacts</i>	Glazed pottery, clay pipe, charcoal, metal object
<b>Balqhiggerock</b> <b>Wood Test pit 39</b>	
<i>Description</i>	Topsoil- light brown silty sand 0.22 m Subsoil- orange coloured soil
<i>Artefacts</i>	Lot of glazed pottery, cream and blue decoration, black-glazed pot sherds, coal
<b>Balqhiggerock</b> <b>Wood Test pit 40</b>	
<i>Description</i>	Topsoil- grey brown silty sand 0.36 m Subsoil- brown orange fine grained sand
<i>Artefacts</i>	Glazed pottery, 1 possible earlier (green-glazed) pot sherd, coal
<b>Balqhiggerock</b> <b>Wood Test pit 41</b>	
<i>Description</i>	Topsoil- light brown silty sand, 0.28 m thick Subsoil – beige-brown sand, firm
<i>Artefacts</i>	Coal ...
<b>Balqhiggerock</b> <b>Wood Test pit 42</b>	
<i>Description</i>	Topsoil- Grey brown silty sand, loose compaction 0.32 m thick Subsoil- orange brown fine-grained sand, slightly grey mottling due to animal activity, moles?
<i>Artefacts</i>	Charcoal, coal, pottery, burnt shale

<b>Balqhidderock Wood Test pit 43</b>	
<i>Description</i>	Topsoil 0.25 m thick, clay subsoil starts at 0.25 m below and continues down for ? m.
<i>Artefacts</i>	White glazed pot sherds, glass (green and clear), clay pipe stem, red-brick fragments
<b>Balqhidderock Wood Test pit 44</b>	
<i>Description</i>	0.35m thick topsoil, grey soil with gravel inclusions, below this was a red sandy clay layer
<i>Artefacts</i>	Pottery sherds, some glazed, shards of glass, 1 pot sherd of possible medieval date?
<b>Balqhidderock Wood Test pit 45</b>	
<i>Description</i>	0.4 m thick hard-packed mid-brown topsoil with small rounded stones, inclusions of charcoal with small red sandstone pieces. Subsoil orange sandy soil.
<i>Artefacts</i>	White-glazed pot, brown glazed pot, slag, chalk/mortar, green glass, burnt bone (animal)
<b>Balqhidderock Wood Test pit 46</b>	
<i>Description</i>	Grey loose topsoil to 0.3 m, 0.1 m thick layer of brown soil then brownish orange gravelly soil
<i>Artefacts</i>	None
<b>Balqhidderock Wood Test pit 47</b>	
<i>Description</i>	Mid-brown topsoil with small rounded stones and occasional charcoal flecks 0.3 m thick, subsoil orange sandy silt.
<i>Artefacts</i>	White-glazed pot sherd

**Appendix D: Broomhill Test pits**

<b>Broomhill Test pit 1</b>	
<i>Description</i>	Below turf level, general building waste, ceased excavations due to presence of potentially hazardous bright fluorescent blue ceramic substance! Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Modern glass, nails, plastic, red-brick fragments, cement, similar items found in pits 2-4.
<b>Broomhill Test pit 2</b>	
<i>Description</i>	Topsoil 100 mm thick, medium brown with red-blaze and building rubble. Overlay clay layer 80 mm thick in south-west corner of pit. This overlay gravelly sandy layer with building rubble (some burnt) in north-west corner with clay inclusions. Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Modern brick, plastic, nail, glazed pot sherd, glass, coal, burnt wood, slate, concrete roof tile with inscription 'OLD' (part of longer word), some rusted metal fragments.
<b>Broomhill Test pit 3</b>	
<i>Description</i>	Below turf is contaminated/disturbed layer with general building waste. 300 mm layer of dark brown clay below topsoil which covers another layer of very compacted building rubble. Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Modern pottery, glass, plastic, red-brick, nails, similar finds to test pits 1, 2 and 4.
<b>Broomhill Test pit 4</b>	
<i>Description</i>	Topsoil 100-150 mm thick. Mid-brown silty clay, freq. rubble including red-brick, concrete fragments and red-blaze. Rubble layer below topsoil, 2 large stones, plastic pieces, plastic pipe fragments, red-brick, concrete. Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Concrete, plastic, red-brick, modern pottery.

<b>Broomhill Test pit 5</b>	
<i>Description</i>	Topsoil 150-200 mm thick with freq. roots. Fill material to 0.5 m below surface and beyond limit of excavation. Very compacted rubble. Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Red-brick, metal, plastic, modern ceramic, concrete.
<b>Broomhill Test pit 6</b>	
<i>Description</i>	Topsoil 150-200 mm thick with freq. roots. Fill material to 0.5 m below surface and beyond limit of excavation. Very compacted rubble. Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Red-brick, metal, plastic, modern ceramic, concrete.
<b>Broomhill Test pit 7</b>	
<i>Description</i>	Topsoil 150-200 mm thick with freq. roots. Fill material to 0.5 m below surface and beyond limit of excavation. Very compacted rubble. Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Red-brick, metal, plastic, modern ceramic, concrete.
<b>Broomhill Test pit 8</b>	
<i>Description</i>	Topsoil 150-200 mm thick with freq. roots. Fill material to 0.5 m below surface and beyond limit of excavation. Very compacted rubble. Extremely compact layers, local knowledge indicates land-fill here after extensive quarrying.
<i>Artefacts</i>	Red-brick, metal, plastic, modern ceramic, concrete.

### Appendix E: Residents' garden test pits

<b>5 Gambeson Crescent</b>	
<b>Test pit</b>	
<i>Description</i>	Topsoil very dark brown silty clay 30 mm thick, overlying light greyish brown silty clay
<i>Artefacts</i>	Coal, slag, white-glazed pot sherds, iron nail/rivet, blue pattern transfer print pot sherds, sponge-printed pot sherds, reddish-brown glaze sherds- All post-medieval or modern in date
<b>109 Springfield Road</b>	
<b>Test pit</b>	
<i>Description</i>	Topsoil/turf 30 mm thick, dark black loam 50 mm thick, whitish grey sandy loam 15 mm thick, orangey yellow clay 290 mm, medium brown clay 140 mm, grey natural clay at 0.36 m below surface
<i>Artefacts</i>	Ceramic and glass of 19/20 th C date
<b>87 Randolph Crescent</b>	
<b>Test pit</b>	
<i>Description</i>	Top 100 mm silty loam topsoil, 100-250 mm below dark brown clay loam, 250-400 mm below grey brown sandy clay, 400- 600 mm below light grey brown wet clay.
<i>Artefacts</i>	Topsoil-welding rod, clay loam- rivets and glass, sandy clay- black glazed pot sherds and china, coal fragments throughout all layers
<b>156 Bannockburn Road</b>	
<b>Test pit</b>	
<i>Description</i>	20-60 mm of topsoil/turf over very compact building rubble to depth of 0.5 m.
<i>Artefacts</i>	Ceramic, glass, metal, coal, cement, plastic- 19/20 th C date. Rough intermittent line of un-worked irregular stone within rubble layer interpreted as possible remnants of a dry-stone wall

### Appendix F: Finds List

#### Braehead Test Pits

Find No.	Area	Context No.	No. of Pieces	Material	Description
1	Braehead TP1	001	1	Ceramic	Small piece modern pottery with white glaze
2	Braehead TP2	001	1	Glass	Light green fragment
3	Braehead TP2	001	1	Ceramic	Black glazed fragment

Find No.	Area	Context No.	No. of Pieces	Material	Description
4	Braehead TP4	001	1	Glass	Green fragment
5	Braehead TP4	001	1	Ceramic	White glazed fragment
6	Braehead TP4	001	3	Coal	Coal fragment
7	Braehead TP3	001	5	Metal	Iron and slag
8	Braehead TP7	001	1	Metal	Slag
9	Braehead TP9	001	7	Ceramic	Fragments
10					Number not used
11	Braehead TP10	001	3	Ceramic	Fragments with painted decoration
12	Braehead TP8	001	3	Ceramic	Fragments two of them decorated
13	Braehead TP32	001	2	Ceramic	Fragments
14	Braehead TP30	001	2	Glass	Clear and green fragments
15	Braehead TP28	001	2	Metal	Big iron fragments
16	Braehead TP26	001	3	Ceramic	Fragments
17	Braehead TP24	001	2	Metal	Slag
18	Braehead TP22				Bag not seen
19	Braehead TP23	001	1	Metal	Squarish iron fragment
20	Braehead TP25	001	3	Ceramic	Fragments
21	Braehead TP27	001	1	Metal	Slag?
22	Braehead TP29	001	3	Ceramic	White glazed with decoration
23	Braehead TP31	001	4	Metal	Slag
24	Braehead TP50	001	1	Ceramic	Fragments
25	Braehead TP52	001	10	Ceramic	Fragments
26	Braehead TP53	001	2	Metal	Nail and slag fragment
27	Braehead TP51				Bag not seen
28	Braehead TP49	001	1	Ceramic	Handle fragment
29	Braehead TP45	001	2	Metal	Iron and slag
30	Braehead TP62	001	1	Metal	Slag
31	Braehead TP63	001	3	Metal	Slag and nails?
32	Braehead TP64	001	1	Metal	Slag
33	Braehead TP65	001	3	Ceramic	One for a bottle, one glazed and one unglazed fragments
34	Braehead TP66	001	2	Ceramic	White glazed; one handle fragment
35	Braehead TP67	001	2	Ceramic	White glazed with decoration
36	Braehead TP68	001	5	Ceramic	Fragments
37	Braehead TP69	001	3	Ceramic	Fragments
38	Braehead TP12	001	2	Ceramic	Yellow glazed, one base
39	Braehead TP33	001	2	Metal	Possible nail and unidentified object
40	Braehead TP35	001	5	Ceramic	Four of them decorated
41	Braehead TP34	001	6	Ceramic	Glazed fragments
42	Braehead TP15	001	2	Ceramic	One of them a brick or tile fragment
43	Braehead TP13	001	6	Ceramic	Glazed most of them decorated
44	Braehead TP16	001	2	Ceramic	White glazed
45	Braehead TP18	001	9	Metal	Slag
46	Braehead TP20	001	1	Ceramic	Green glazed, late medieval 14-15th century
47	Braehead TP21	001	4	Ceramic	White glazed with decoration
48	Braehead TP19	001	9	Ceramic	Glazed and decorated fragments
49	Braehead TP36	001	1	Ceramic	Green glazed, late medieval 14-15th century
50	Braehead TP38	001	1	Ceramic	Big piece of post medieval oxidised ware rim
51	Braehead TP40	001	2	Ceramic	Late medieval 14-15th reduced ware
52	Braehead TP41	001	2	Ceramic	Fragments, one decorated
53	Braehead TP39	001	4	Ceramic	Decorated fragments
54	Braehead TP37	001	2	Glass	Green coloured fragments

Find No.	Area	Context No.	No. of Pieces	Material	Description
55	Braehead TP56	001	2	Ceramic	Post medieval reduced ware (green glazed), one possible imported red ware (brown glazed)
56	Braehead TP54	001	3	Ceramic	One of them medieval reduced green glazed (14-15th century)
57	Braehead TP55	001	3	Ceramic	Glazed, two decorated
58	Braehead TP57	001	3	Ceramic	Glazed fragments
59	Braehead TP60	001	5	Ceramic	Glazed some decorated
60	Braehead TP58	001	3	Ceramic	Glazed, one decorated
61	Braehead TP59	001	4	Ceramic	Possible late medieval
62	Braehead TP61	001	3	Ceramic	Glazed
63	Braehead TP74	001	1	Metal	Rectangular unidentified object
64	Braehead TP73	001	2	Ceramic	Glazed
65	Braehead TP72	001	1	Glass	Green glass
66	Braehead TP71	001	1	Ceramic	Late medieval red ware or oxidised pottery
67	Braehead TP70	001	2	Ceramic	White glazed
68	Braehead TP77	001	3	Ceramic	White glazed two with decoration
69	Braehead TP75	001	1	Metal	Possible nail
70	Braehead TP80	001	2	Ceramic	White glazed with green decoration
71	Braehead TP79	001	3	Ceramic	White glazed with decoration
72	Braehead TP7	001	2	Ceramic	White glazed with decoration
73	Braehead TP7	001	1	Ceramic	Clay pipe stem fragment
74	Braehead TP10	001	1	Ceramic	Clay pipe bulb fragment and decoration
75	Braehead TP10	001	1	Glass	Light blue fragment
76	Braehead TP24	001	3	Ceramic	White glazed with decoration
77	Braehead TP24	001	1	Metal	Nail?
78	Braehead TP46	001	1	Ceramic	White glazed with decoration
79	Braehead TP27	001	4	Ceramic	White glazed with decoration
80	Braehead TP27	001	1	Ceramic	Fragment of clay pipe stem
81	Braehead TP27	001	1	Glass	Light green fragment
82	Braehead TP30	001	2	Ceramic	Post medieval green glazed sherd part of rim
83	Braehead TP44	001	2	Ceramic	White glazed with decoration, one with gold decoration?
84	Braehead TP47	001	2	Ceramic	White glazed with decoration
85	Braehead TP50	001	1	Glass	Light green/blue fragment
86	Braehead TP45	001	1	Ceramic	White glazed with decoration
87	Braehead TP6	001	1	Ceramic	Fragment of clay pipe stem
88	Braehead TP29	001	1	Ceramic	Green glazed, late medieval 14-15th century
89	Braehead TP29	001	1	Metal	Iron rusted fragment
90	Braehead TP29	001	1	Glass	Dark coloured fragment
91	Braehead TP29	001	1	Ceramic	Fragment of clay pipe stem
92	Braehead TP53	001	2	Ceramic	White glazed with decoration
93	Braehead TP62	001	2	Ceramic	White glazed with decoration
94	Braehead TP51	001	2	Metal	Iron square nails?
95	Braehead TP51	001	2	Ceramic	White glazed with decoration
96	Braehead TP51	001	1	Glass	Blue colour fragment
97	Braehead TP31	001	2	Ceramic	White glazed
98	Braehead TP25	001	1	Ceramic	Clay pipe end of stem
99	Braehead TP22	001	1	Glass	Green fragment
100	Braehead TP22	001	2	Ceramic	Dark brown glazed
101	Braehead TP23	001	2	Ceramic	Fragment of clay pipe stem
102	Braehead TP23	001	1	Ceramic	White glazed with decoration
103	Braehead TP49	001	1	Ceramic	Medieval white gritty, 13-14th century

Find No.	Area	Context No.	No. of Pieces	Material	Description
104	Braehead TP49	001	1	Metal	Square small iron nail?
105	Braehead TP63	001	2	Glass	Ball of glass and bottom of bottle
106	Braehead TP42	001	1	Metal	Button fragment
107	Braehead TP42	001	2	Ceramic	White glazed with decoration
108	Braehead TP11	001	4	Ceramic	White glazed with decoration
109	Braehead TP11	001	3	Ceramic	Clay pipe bulb and stem fragments
110	Braehead TP11	001	1	Metal	Slag
111	Braehead TP8	001	1	Bone	Cremated animal bone fragment
112	Braehead TP8	001	2	Metal	Slag
113	Braehead TP8	001	1	Ceramic	Fragment of clay pipe stem
114	Braehead TP28	001	2	Ceramic	Fragment of clay pipe stem and bulb with writing
115	Braehead TP28	001	4	Ceramic	White glazed with decoration
116	Braehead TP3	001	5	Ceramic	Glazed, four of them with decoration
117	Braehead TP14	001	1	Ceramic	Late medieval white gritty ware
118	Braehead TP18	001	3	Ceramic	Two white glazed, one grey glazed
119	Braehead TP40	001	4	Ceramic	White glazed with decoration
120	Braehead TP40	001	2	Coal	Coal fragment
121	Braehead TP40	001	1	Lithic	Flint flake
122	Braehead TP21	001	1	Metal	Strapper looking copper alloy? Object
123	Braehead TP21	001	1	Ceramic	Post medieval reduced ware possible rim of bowl
124	Braehead TP21	001	2	Ceramic	Fragment of clay pipe stem
125	Braehead TP36	001	3	Ceramic	White glazed with decoration
126	Braehead TP77	001	1	Ceramic	Late medieval early post medieval sherd
127	Braehead TP77	001	1	Bone	Cremated animal bone fragment
128	Braehead TP38	001	3	Ceramic	Two white glazed with decoration, one grey glazed
129	Braehead TP38	001	1	Ceramic	Fragment of clay pipe stem
130	Braehead TP72	001	1	Bone	Cremated possible animal bone fragment
131	Braehead TP72	001	1	Ceramic	Glazed with decoration
132	Braehead TP13	001	4	Ceramic	Fragments of clay pipe stem and bulb
133	Braehead TP13	001	1	Bone	Cremated unidentified fragment
134	Braehead TP60	001	1	Bone	Cremated unidentified fragment
135	Braehead TP60	001	2	Glass	Clear and green fragments
136	Braehead TP60	001	1	Ceramic	Possible late medieval
137	Braehead TP33	001	2	Ceramic	Glazed, one decorated
138	Braehead TP41	001	1	Ceramic	Fragment of clay pipe stem
139	Braehead TP41	001	1	Bone	Cremated unidentified fragment
140	Braehead TP54	001	1	Metal	Unidentified iron object
141	Braehead TP57	001	2	Bone	Cremated unidentified fragment
142	Braehead TP55	001	1	Bone	Cremated unidentified fragment
143	Braehead TP56	001	1	Metal	Unidentified iron object
144	Braehead TP59	001	2	Metal	Unidentified iron object
145	Braehead TP75	001	1	Ceramic	Brown glazed fragment
146	Braehead TP75	001	1	Lithic	Polished worked stone?
147	Braehead TP19	001	1	Ceramic	Fragment of clay pipe stem
148	Braehead TP19	001	1	Metal?	Slag?
149	Braehead TP71	001	1	Ceramic	Fragment of clay pipe stem
150	Braehead TP37	001	4	Ceramic	Glazed fragments
151	Braehead TP74	001	1	Ceramic	White glazed with blue decoration
152	Braehead TP15	001	1	Metal	Square iron nail?
153	Braehead TP?	001	1	Ceramic	Late medieval fragment
154	Braehead TP?	001	4	Ceramic	Fragments of clay pipe stems, one with bulb

Find No.	Area	Context No.	No. of Pieces	Material	Description
155	Braehead TP?	001	1	Ceramic	Fragment of clay pipe stem
156	Braehead TP?	001	1	Metal	Unidentified iron object
157	Braehead TP?	001	1	Bone	Animal bone fragment
158	Braehead TP5	001	2	Ceramic	White glazed with decoration
159	Braehead TP?	001	1	Metal?	Unidentified object
160	Braehead TP?	001	1	Ceramic	Late medieval fragment

### Braehead Metal Detecting

Find No.	Area	Context No.	No. of Pieces	Material	Description
1	Braehead MD	001	1	Metal	Iron fragment
2	Braehead MD	001	1	Metal	Iron fence finial
3	Braehead MD	001	1	Metal	Iron fence finial
4	Braehead MD	001	1	Metal	Iron fragment
5	Braehead MD	001	1	Metal	Iron fragment
6	Braehead MD	001	1	Metal	Iron flange
7	Braehead MD	001	1	Metal	Hinge piece
8	Braehead MD	001	1	Metal	Knife?
9	Braehead MD	001	1	Metal	Horseshoe fragment
10	Braehead MD	001	1	Metal	Knife blade?
11	Braehead MD	001	1	Metal	Nail
12	Braehead MD	001	1	Metal	Horseshoe fragment
13	Braehead MD	001	1	Metal	Horseshoe fragment
14	Braehead MD	001	1	Metal	Semi circular piece
15	Braehead MD	001	2	Metal	Iron fragment
16	Braehead MD	001	1	Metal	Nail head
17	Braehead MD	001	1	Metal	Iron pipe fragment
18	Braehead MD	001	1	Metal	Nail
19	Braehead MD	001	1	Metal	Tent peg
20	Braehead MD	001	1	Metal	Copper alloy coin
21	Braehead MD	001	1	Metal	Iron fragment
22	Braehead MD	001	1	Metal	Copper alloy coin
23	Braehead MD	001	1	Metal	Lead object
24	Braehead MD	001	1	Metal	Two pence coin forge?
25	Braehead MD	001	1	Metal	Bolt
26	Braehead MD	001	1	Metal	Blade
27	Braehead MD	001	1	Metal	Iron tip
28	Braehead MD	001	1	Metal	Slag
29	Braehead MD	001	1	Metal	Button
30	Braehead MD	001	1	Metal	Iron/alloy coin
31	Braehead MD	001	1	Metal	Iron object
32	Braehead MD	001	1	Metal	Shoe fragment
33	Braehead MD	001	1	Metal	Nail?
34	Braehead MD	001	1	Metal	Iron fragment
35	Braehead MD	001	1	Metal	Coin- early
36	Braehead MD	001	1	Metal	Oval iron fragment
37	Braehead MD	001	1	Metal	Nail (horseshoe)
38	Braehead MD	001	1	Metal	Coin
39	Braehead MD	001	1	Metal	Iron lump
40	Braehead MD	001	1	Metal	Iron weight?
41	Braehead MD	001	1	Metal	Iron lump
42	Braehead MD	001	1	Metal	Tip of ?agric/plough??
43	Braehead MD	001	1	Metal	Shaft of nail?
44	Braehead MD	001	1	Metal	Shoe seg fragment?



Find No.	Area	Context No.	No. of Pieces	Material	Description
45	Braehead MD	001	1	Metal	Shaft of small find
46	Braehead MD	001	1	Metal	Pin with square head
47	Braehead MD	001	1	Metal	Copper alloy coin
48	Braehead MD	001	1	Metal	Large oval shaped head nail
49	Braehead MD	001	1	Metal	Small hinge
50	Braehead MD	001	1	Metal	Copper alloy wire
51	Braehead MD	001	1	Metal	Button/stud
52	Braehead MD	001	1	Metal	Pointed/end of dagger/knife
53	Braehead MD	001	1	Metal	Rectangular buckle
54	Braehead MD	001	1	Metal	Rectangular lump
55	Braehead MD	001	1	Metal	Copper alloy coin
56	Braehead MD	001	1	Metal	Iron nail
57	Braehead MD	001	1	Metal	Model arm and clenched fist
58	Braehead MD	001	1	Metal	Folded lead sheet fragment
59	Braehead MD	001	1	Metal	Iron lump
60	Braehead MD	001	1	Metal	Iron seal?
61	Braehead MD	001	1	Metal	Lead musket ball
62	Braehead MD	001	1	Metal	Iron strip
63	Braehead MD	001	1	Metal	Copper alloy coin
64	Braehead MD	001	1	Metal	Iron end of equipment?
65	Braehead MD	001	1	Metal	Copper alloy nail
66	Braehead MD	001	1	Metal	Lead fragment
67	Braehead MD	001	1	Metal	Spoon handle
68	Braehead MD	001	1	Metal	Iron lump
69	Braehead MD	001	1	Metal	Iron gilt cup
70	Braehead MD	001	1	Metal	Lead bale seal
71	Braehead MD	001	1	Metal	Unidentified
72	Braehead MD	001	1	Metal	Iron sheet fragment
73	Braehead MD	001	1	Metal	Copper alloy clasp
74	Braehead MD	001	1	Metal	Iron lump
75	Braehead MD	001	1	Metal	Iron lump
76	Braehead MD	001	1	Metal	Copper alloy coin
77	Braehead MD	001	1	Metal	Copper alloy coin
78	Braehead MD	001	1	Metal	Iron lump

### Balqhiggerock Wood Test Pits

Find No.	Area	Context No.	No. of Pieces	Material	Description
1	BQWood TP39	001	10	Ceramic	Sherds
2	BQWood TP39	001	2	Metal	Slag
3	BQWood TP39	001	1	Ceramic	Fragments of clay pipe
4	BQWood TP21	001	3	Ceramic	Sherds
5	BQWood TP21	001	1	Glass	Green glass sherd
6	BQWood TP40	001	7	Ceramic	Sherds, one Scottish post-medieval oxidised ware from bowl
7	BQWood TP41	001	2	Stone	Pyrite fragments
8	BQWood TP26	001	1	Ceramic	Late medieval base of a jug 14-15th century
9	BQWood TP42	001	9	Ceramic	Sherds
10	BQWood TP26	001	2	Ceramic	Sherds
11	BQWood TP38	001	7	Ceramic	Sherds
12	BQWood TP20	001	1	Glass	Body fragment
13	BQWood TP20	001	3	Ceramic	Sherds
14	BQWood TP17	001	3	Ceramic	Sherds

Find No.	Area	Context No.	No. of Pieces	Material	Description
15	BQWood TP18	001	4	Ceramic	Sherds, one late medieval 14-15th century green glazed and another post medieval Scottish reduced ware
16	BQWood TP24	001	4	Ceramic	Sherds
17	BQWood TP14	001	1	Ceramic	Scottish medieval red ware 14th century
18	BQWood TP8	001	1	Ceramic	Sherds
19	BQWood TP7	001	1	Ceramic	Post medieval Scottish reduced ware
20	BQWood TP8	001	1	Ceramic	Stoneware sherd
21	BQWood TP23	001	8	Ceramic	Sherds
22	BQWood TP10	001	1	Ceramic	Sherds
23	BQWood TP9	001	4	Ceramic	Sherds
24	BQWood TP3	001	1	Ceramic	Sherds
25	BQWood TP7	001	1	Ceramic	Sherds
26	BQWood TP19	001	1	Ceramic	Sherds
27	BQWood TP19	001	1	Metal	Slag
28	BQWood TP2	001	2	Ceramic	Sherds
29	BQWood TP15	001	3	Ceramic	Sherds
30	BQWood TP16	001	3	Ceramic	Sherds
31	BQWood TP34	001	1	Ceramic	Sherds
32	BQWood TP34	001	1	Glass	Neck of bottle
33	BQWood TP36	001	3	Ceramic	Sherds, one bottle stopper?
34	BQWood TP32	001	26	Ceramic	Sherds
35	BQWood TP36	001	1	Glass	Green glass sherd
36	BQWood TP32	001	1	Metal	Iron nail?
37	BQWood TP32	001	1	Arch Material	Mortar fragment
38	BQWood TP31	001	7	Ceramic	Post medieval Scottish oxidised ware
39	BQWood TP31	001	2	Glass	Clear glass
40	BQWood TP31	001	2	Metal	Slag fragment
41	BQWood TP13	001	2	Metal	Slag fragment
42	BQWood TP29	001	5	Ceramic	Sherds
43	BQWood TP13	001	6	Ceramic	Sherds
44	BQWood TP33	001	2	Metal	Iron unidentified objects?
45	BQWood TP33	001	4	Ceramic	Sherds
46	BQWood TP33	001	4	Glass	Two clear and two dark green sherds
47	BQWood TP13	001	2	Ceramic	Fragments of clay pipe stem and bulb
48	BQWood TP29	001	2	Glass	Green and light blue fragments
49	BQWood TP25	001	2	Ceramic	Glazed
50	BQWood TP43	001	2	Ceramic	White glazed with decoration
51	BQWood TP43	001	1	Ceramic	Fragments of clay pipe stem
52	BQWood TP43	001	2	Metal	Iron nail?
53	BQWood TP43	001	1	Lithic	Worked stone?
54	BQWood TP44	001	1	Ceramic	White glazed with gold decoration
55	BQWood TP45	001	1	Metal	Slag
56	BQWood TP46	001	2	Ceramic	Sherds
57	BQWood TP47	001	1	Ceramic	Sherd
58	BQWood TP31	001	10	Bone	Animal bone fragments
59	BQWood TP6	001	2	Ceramic	Sherds
60	BQWood TP30	001	8	Ceramic	Sherds, one medieval or late medieval red ware and one post-medieval green glazed
61	BQWood TP10	001	1	Glass	Clear colour fragments
62	BQWood TP3	001	1	Metal	Slag fragment
63	BQWood TP4	001	1	Ceramic	Sherd
64	BQWood TP4	001	2	Glass	Orange colour fragment
65	BQWood TP2	001	1	Metal	Corroded iron object?

Find No.	Area	Context No.	No. of Pieces	Material	Description
66	BQWood TP9	001	1	Metal	Lead strip
67	BQWood TP38	001	2	Ceramic	Fragments of clay pipe stem
68	BQWood TP9	001	1	Metal	Unidentified object
69	BQWood TP14	001	1	Glass	Sherd
70	BQWood TP23	001	1	Ceramic	Fragment of clay pipe stem
71	BQWood TP1	001	1	Glass	Sherd
72	BQWood TP31	001	2	Ceramic	Sherds
73	BQWood TP14	001	2	Metal	Slag
74	BQWood TP28	001	3	Ceramic	Sherds
75	BQWood TP28	001	1	Glass	Clear coloured fragment
76	BQWood TP30	001	1	Metal	Iron nail
77	BQWood TP30	001	1	Metal	Slag
78	BQWood TP30	001	2	Ceramic	Fragments of clay pipe bulb
79	BQWood TP19	001	1	Metal	Unidentified object
80	BQWood TP11	001	1	Ceramic	Fragment of clay pipe stem
81	BQWood TP19	001	1	Ceramic	Fragment of clay pipe stem
82	BQWood TP12	001	1	Bone	Cremated animal bone
83	BQWood TP2	001	1	Glass	Clear coloured fragment
84	BQWood TP16?	001	1	Metal	Iron horseshoe
85	BQWood TP18	001	1	Metal	Unidentified object
86	BQWood TP5	001	1	Ceramic	Small sherd
87	BQWood TP5	001	2	Glass	Clear coloured fragment

#### Balqhiderock Wood Metal Detecting

Find No.	Area	Context No.	No. of Pieces	Material	Description
1	BQWood MD	001	1	Metal	Iron nail
2	BQWood MD	001	1	Metal	Iron handle
3	BQWood MD	001	1	Metal	Fencing iron pieces?
4	BQWood MD	001	1	Metal	Iron spike
5	BQWood MD	001	1	Metal	Lead piece
6	BQWood MD	001	1	Metal	Iron harness piece?
7	BQWood MD	001	1	Metal	Fence finial?
8	BQWood MD	001	1	Metal	Iron hinge
9	BQWood MD	001	1	Metal	Iron nail
10	BQWood MD	001	1	Metal	Lead piece
11	BQWood MD	001	1	Metal	Iron wedge
12	BQWood MD	001	1	Metal	Iron bolt/not
13	BQWood MD	001	1	Metal	Iron nail/peg
14	BQWood MD	001	1	Metal	Iron blade?agric.
15	BQWood MD	001	1	Metal	Small iron horseshoe?seg
16	BQWood MD	001	1	Metal	Large iron horseshoe
17	BQWood MD	001	1	Metal	Iron strip/small bar
18	BQWood MD	001	1	Metal	Circular iron strip
19	BQWood MD	001	1	Metal	Elizabeth 1st silver coin
20	BQWood MD	001	1	Metal	Iron hinge
21	BQWood MD	001	1	Metal	Copper alloy coin
22	BQWood MD	001	1	Metal	Flat iron metal plate (not found on 12-07-2013)
23	BQWood MD	001	1	Metal	Iron fragment
24	BQWood MD	001	1	Metal	Iron ring (loop)
25	BQWood MD	001	1	Metal	Iron ?
26	BQWood MD	001	1	Metal	Iron ?
27	BQWood MD	001	1	Metal	Iron ?

Find No.	Area	Context No.	No. of Pieces	Material	Description
28	BQWood MD	001	1	Metal	Iron ?
29	BQWood MD	001	1	Metal	Iron bar
30	BQWood MD	001	1	Metal	Iron? Nail/bolt
31	BQWood MD	001	1	Metal	Copper alloy shilling cut
32	BQWood MD	001	1	Metal	Iron disc
33	BQWood MD	001	1	Metal	Iron lump
34	BQWood MD	001	1	Metal	Small iron fragment
35	BQWood MD	001	1	Metal	Iron spike
36	BQWood MD	001	1	Metal	Copper alloy button
37	BQWood MD	001	1	Metal	Lead lump
38	BQWood MD	001	1	Metal	Iron lump
39	BQWood MD	001	1	Metal	Iron loop (not bagged)
40	BQWood MD	001	1	Metal	Iron lump
41	BQWood MD	001	1	Metal	Copper alloy sliver
42	BQWood MD	001	1	Metal	Iron lump
43	BQWood MD	001	1	Metal	Iron lump
44	BQWood MD	001	1	Metal	Iron hook
45	BQWood MD	001	1	Metal	Dog whistle?
46	BQWood MD	001	1	Metal	Iron? Coin/disc
47	BQWood MD	001	1	Metal	Object
48	BQWood MD	001	1	Metal	Iron lump
49	BQWood MD	001	1	Metal	Iron lump
50	BQWood MD	001	1	Metal	Iron lump
51	BQWood MD	001	1	Metal	Iron lump
52	BQWood MD	001	1	Metal	Iron lump
53	BQWood MD	001	1	Metal	Iron lump
54	BQWood MD	001	1	Metal	Copper alloy stud
55	BQWood MD	001	1	Ceramic	Sherd

### Garden Test Pits

Find No.	Area	Context No.	No. of Pieces	Material	Description
1	5 Gambeson Crescent	001?	8	Ceramic	Glazed with decoration mostly
2	5 Gambeson Crescent	001?	1	Metal	Slag?
3	109 Springfield Road	?	3	Ceramic	White glazed with decoration
4	109 Springfield Road	?	1	Glass	Clear coloured fragment
5	109 Springfield Road	?	1	Bone	Animal bone fragment
6	109 Springfield Road	?	10	Metal	Mostly possible nails and a hook
7	87 Randolph Crescent	003	3	Ceramic	Glazed with decoration
8	87 Randolph Crescent	003	1	Ceramic	Fragment of clay pipe stem
9	87 Randolph Crescent	?	1	Bone	Animal bone fragment
10	87 Randolph Crescent	?	6	Metal	One possible rivet and unidentified objects
11	156 Bannockburn Road	001?	1	Ceramic	White glazed with blue decoration
12	156 Bannockburn Road	001?	16	Metal	Iron? Slag fragments

### Appendix G: Photo List

#### Braehead

Frame	Area	Test pit No..	Subject	Taken from
1	-	-	ID shot	-
2	Braehead	TP1	Test pit complete	NW
3	Braehead	TP2	Post-ex of test pit	NW

Frame	Area	Test pit No..	Subject	Taken from
4	Braehead	TP4	Post-ex of test pit	NW
5	Braehead	TP6	Post-ex of test pit	NW
6	Braehead	TP22	Mid ex of test pit	E
7	Braehead	TP23	Mid ex of test pit	E
8	Braehead	TP42	Mid ex of test pit	E
9	Braehead	TP43	Post ex of pit	E
10	Braehead	TP44	Post ex of pit	E
11	Braehead	TP44	SE facing section	SE
12	Braehead	TP25	Mid ex of test pit	E
13	Braehead	-	-	-
14	Braehead	TP24	Post ex of pit	W
15	Braehead	TP24	SE facing section	SE
16	Braehead	TP5	Mid ex of test pit	E
17	Braehead	TP26	Post ex of pit	E
18	Braehead	TP26	E facing section	E
19	Braehead	TP28	Post ex of pit	E
20	Braehead	TP28	E facing section	E
21	Braehead	TP4	Mid ex of test pit - showing linear feature	E
22	Braehead	TP4	Mid ex of test pit - detail	E
23	Braehead	TP14	Mid ex of test pit	SE
24	Braehead	TP10	Post ex of pit	N
25	Braehead	TP10	N facing section	N
26	Braehead	TP24	Post ex of pit	W
27	Braehead	TP24	W facing section	W
28	Braehead	TP8	Post ex of pit	N
29	Braehead	TP8	W facing section	W
30	Braehead	TP9	Mid ex of pit	W
31	Braehead	TP12	Mid ex of pit	S
32	Braehead	TP3	Post ex with drain	W
33	Braehead	TP30	Post ex of pit	W
34	Braehead	TP31	Post ex of pit	S
35	Braehead	TP31	W facing section	W
36	Braehead	TP29	Post ex of pit	SE
37	Braehead	TP22	Mid ex of pit	SE
38	Braehead	TP23	Mid ex of pit	SE
39	Braehead	TP32	Mid ex of pit	E
40	Braehead	TP11	Post ex of pit	N
41	Braehead	TP50	Mid ex of pit	W
42	Braehead	TP51	Mid ex of pit	W
43	Braehead	TP48	Post ex of pit	N
44	Braehead	TP49	Mid ex of pit- unfinished	S
45	Braehead	TP53	Post ex of pit	N
46	Braehead	TP52	Mid ex of pit	E
47	Braehead	TP6	E facing section	E
48	Braehead	TP6	Post ex of pit	E
49	Braehead	TP62	Post ex of pit	W
50	Braehead	TP63	Post ex of pit	W
51	Braehead	TP64	Post ex of pit	W
52	Braehead	TP47	Post ex of pit	NE
53	Braehead	TP67	Post ex of pit	W
54	Braehead	TP68	Post ex of pit	W
55	Braehead	TP69	Post ex of pit	W
56	Braehead	TP65	Post ex of pit	N
57	Braehead	TP66	Post ex of pit	N
58	Braehead	TP16	Post ex of pit	W

Frame	Area	Test pit No..	Subject	Taken from
59	Braehead	TP19	Post ex of pit	W
60	Braehead	TP41	Post ex of pit	S
61	Braehead	TP38	Post ex of pit	E
62	Braehead	TP38	E facing section	E
63	Braehead	TP57	Post ex of pit	W
64	Braehead	TP57	W facing section	W
65	Braehead	TP21	Mid ex of pit	E
66	Braehead	TP40	Post ex of pit	N
67	Braehead	TP55	Post ex of pit	W
68	Braehead	TP20	Post ex of pit	E
69	Braehead	TP36	Post ex of pit	NW
70	Braehead	TP36	W facing section	W
71	Braehead	TP13	Post ex of pit	N
72	Braehead	TP80	Post ex of pit	W
73	Braehead	TP54	Post ex of pit	W
74	Braehead	TP60	Post ex of pit	W
75	Braehead	TP56	Post ex of pit	W
76	Braehead	TP33	Post ex of pit	W
77	Braehead	TP35	Post ex of pit	W
78	Braehead	TP15	Mid ex of pit	S
79	Braehead	TP34	Mid ex of pit	E
80	Braehead	TP37	Post ex of pit	N
81	Braehead	TP39	Post ex of pit	NW
82	Braehead	TP58	Mid ex of pit	N
83	Braehead	TP59	Mid ex of pit	NW
84	Braehead	TP61	Mid ex of pit	E
85	Braehead	TP74	Mid ex of pit	S
86	Braehead	TP73	Mid ex of pit	S
87	Braehead	TP72	Mid ex of pit	SE
88	Braehead	TP71	Mid ex of pit	SE
89	Braehead	TP77	Post ex- SE facing section	SE
90	Braehead	TP77	Post ex- SE facing section	SE
91	Braehead	TP76	Mid ex of pit	SE
92	Braehead	TP75	Mid ex of pit	SE
93	Braehead	TP79	Mid ex of pit	N

### Balqhiggerock Wood

Frame	Area	Test pit No.	Subject	Taken from
1	BQWood	-	ID shot	-
2	BQWood	-	Working shot S2 class	SE
3	BQWood	-	Working shot S2 class	SE
4	BQWood	TP5	Test pit complete	S
5	BQWood	TP1	Test pit complete	S
6	BQWood	TP4	Test pit complete	E
7	BQWood	TP6	Test pit complete	SE
8	BQWood	TP8	Test pit complete	S
9	BQWood	TP3	Test pit complete	S
10	BQWood	TP7	Test pit -W-E drain	E
11	BQWood	TP12	Test pit	-
12	BQWood	TP13	Test pit	-
13	BQWood	TP15	Test pit	-
14	BQWood	TP14	Test pit	-
15	BQWood	TP16	Test pit	-
16	BQWood	TP11	Test pit	-

Frame	Area	Test pit No.	Subject	Taken from
17	BQWood	TP10	Test pit	-
18	BQWood	TP9	Test pit	N
19	BQWood	-	Test pit	-
20	BQWood	TP14	View of drainage cut	S
21	Broomridge	TP1	TP1 - "blue" ceramic, toxic?	S
22	Broomridge	TP3	Test pit complete	N
23	Broomridge	TP4	Test pit complete	N
24	BQWood	TP21	Test pit complete	N
25	BQWood	TP17	Test pit complete	N
26	BQWood	TP22	Test pit complete	N
27	BQWood	TP20	Test pit complete	N
28	BQWood	TP23	Test pit complete	N
29	BQWood	TP24	Test pit complete	N
30	BQWood	TP18	Test pit complete	N
31	BQWood	TP19	Test pit complete	N
32	Broomridge	TP5	Test pit complete	N
33	Broomridge	TP6	Test pit complete	N
34	Broomridge	TP7	Test pit complete	N
35	Broomridge	TP8	Test pit complete	N
36	BQWood	TP34	Test pit complete	E
37	BQWood	TP36	Test pit complete	-
38	BQWood	TP33	Test pit complete	-
39	BQWood	TP27	Test pit complete	-
40	BQWood	TP28	Test pit complete	-
41	BQWood	TP26	Test pit complete	-
42	BQWood	TP32	Test pit complete	-
43	BQWood	TP30	Test pit complete	-
44	BQWood	TP31	Test pit complete	-
45	BQWood	TP25	Test pit complete	-
46	BQWood	-	General at Tony talking to kids	-
47	BQWood	-	General at Tony talking to kids	-
48	BQWood	-	General at Tony talking to kids	-
49	BQWood	-	General at Tony talking to kids	-
50	BQWood	TP26	Completed pit	S
51	BQWood	TP41	Completed pit	N
52	BQWood	TP39	Completed pit	N
53	BQWood	TP37	Completed pit	N
54	BQWood	TP35	Completed pit	E
55	BQWood	TP	Completed pit	E
56	BQWood	TP41	Completed pit	W
57	BQWood	TP42	Completed pit	W
58	BQWood	TP47	Completed pit	E
59	BQWood	TP46	Completed pit	E
60	BQWood	TP47	Completed pit	E
61	Garden Test pits	-	Randolph street	S
62	BQWood	TP44	Test pit complete	E
63	BQWood	TP43	Test pit complete	E
64	Garden Test pits	-	156 Bannockburn Road test pit complete	-
65	Garden Test pits	-	156 Bannockburn Road test pit complete	-
66	Garden Test pits	-	5 Gambeson Crescent test pit complete	-
67	Garden Test pits	-	109 Springfield Road test pit complete	-

## Appendix H: Discovery And Excavation Scotland Entry

LOCAL AUTHORITY:	Stirling Council
PROJECT TITLE/SITE NAME:	The Bannockburn Big Dig
PROJECT CODE:	3694
PARISH:	St. Ninians
NAME OF CONTRIBUTOR(S):	Warren Bailie
NAME OF ORGANISATION:	GUARD Archaeology Ltd.
TYPE(S) OF PROJECT:	Metal-detecting, Geophysical survey and Test pits
NMRS NO(S):	NS89SW.11; SMR:1183.03
SITE/MONUMENT TYPE(S):	Battle of Bannockburn Battlefield
SIGNIFICANT FINDS:	13 <sup>th</sup> – 15 <sup>th</sup> C Medieval pottery, copper alloy belt buckle fragment, Elizabethan Coin, unidentified coins and other unidentified metal objects
NGR (2 letters, 6 figures)	Braehead (NGR: NS 80491 92006), Broomridge (NGR: NS 80243 91453) and Balqhidderock Wood (NGR: NS 80546 91205)
START DATE (this season)	17/06/13
END DATE (this season)	23/06/13
PREVIOUS WORK (incl. <i>DES</i> ref.)	Discovery Excav Scot, 129; GUARD Projects: 3438, 3357, 3520; Two Men in a Trench 2002, and 2003.
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	<p>The investigations at the 'Bannockburn Big Dig' at Braehead, Balqhidderock Wood, Broomhill and residents's gardens involved 250 volunteers in a metal-detecting survey, a geophysical survey and in the excavation of 139 targeted hand excavated 1 m<sup>2</sup> test pits. This work was carried out as part of ongoing work leading up to the 700<sup>th</sup> anniversary of the Battle of Bannockburn in June 2014, in collaboration with The Centre for Battlefield Archaeology, The National Trust for Scotland and BBC Scotland.</p> <p>The metal-detecting survey retained a total of 133 finds (78 from Braehead, 55 from Balqhidderock Wood). The discard included post imperial coinage, agricultural machinery debris and modern picnic refuse in the form of bottle tops and ring pulls. The retained finds included 21 coins ranging from an Elizabethan penny to coinage from the mid to late twentieth century with five as yet unidentified coins. Other finds included equestrian fittings and buttons. The remaining majority of finds are as yet unidentified.</p> <p>The geophysical survey did reveal several anomalies on the resistivity and gradiometer plots. Unfortunately on this occasion none of the test pits targeting the anomalies uncovered features that could be directly related to the Battlefield of Bannockburn.</p> <p>From the 139 test pits excavated across the three areas the material culture included medieval ceramic dating from thirteenth through to the fifteenth century. The assemblage included one sherd of white gritty ware, some Scottish red ware sherds and reduced green-glazed pottery as well as considerable amounts of late medieval 14/15 th C green-glazed pottery sherds. Finds from the test pits also included a copper alloy belt buckle fragments and a copper alloy button. One test pit at Braehead revealed a possible fire pit of unknown date.</p>
PROPOSED FUTURE WORK:	Uncertain
SPONSOR OR FUNDING BODY:	NTS and BBC Scotland
CAPTION(S) FOR ILLUSTRS:	N/A
ADDRESS OF MAIN CONTRIBUTOR:	52 Elderpark Workspace, 100 Elderpark Street, Glasgow, G51 3TR
EMAIL ADDRESS:	warren.bailie@guard-archaeology.co.uk
ARCHIVE LOCATION (intended/deposited)	Archive to be deposited in NMRS



Appendix I: Written Scheme Of Investigation



## GUARD 3694: Big Dig Bannockburn Investigation Method Statement

### 1.0 Introduction

This document sets out GUARD Archaeology's excavation methodology and is provided as a written scheme for the investigation of several areas to the north of Bannockburn, Stirling. This method may be varied dependant upon knowledge and understanding of the sites and the needs and requirements of the National Trust for Scotland, the BBC and the Centre for Battlefield Archaeology, Glasgow University during the project. The strategy will involve the hand excavation, with the use of volunteers from the local community and students from Glasgow University, of a series of 1 metre square test-pits sited over four main areas (Appendix 1): Braehead (NGR: NS 80491 92006), Broomridge (NGR: NS 80243 91453), Balqhiggerock Wood (NGR: NS 80546 91205) and St Ninians (NGR: NS 79588 91629). In addition, and following these initial investigations, a series of 1 metre square test-pits will be investigated in the gardens of participating residents in the local area.

On completion of all investigations, a report to data structures level and an accompanying post-excavation research design (PERD) and costing will be submitted for agreement with the National Trust for Scotland. The PERD will also outline arrangements for final publication of the site.

### 2.0 Aims and Objectives

The aims and objectives of archaeological trenching are as follows:

- establish the presence or absence of any archaeological remains, and their character, date, extent and significance if surviving,
- excavate and record any significant features and recover any significant artefacts and ecofacts for subsequent analysis.

### 3.0 Methodology

The strategy to be employed during the excavation will consist of the following:

- The 1 metre square test pits will be laid out at 10 m intervals across each of the proposed areas (Appendix 1) dependant on topographic conditions and as per the requirements of the National Trust for Scotland, the BBC and the Centre for Battlefield Archaeology, Glasgow University.
- Test pits will also be excavated in the gardens of participating residents in the local area on 22 and 23 June 2013 under the supervision of trained volunteers and students from Glasgow University. This will be publicised by the BBC during the initial investigations beginning 17 June 2013.
- Test pits will be placed to investigate and characterise the nature of each location and to reveal any significant archaeological remains relating to the area and its use through time.
- Test pit locations may be modified to avoid services, public access or obstructions.
- Excavation will be by hand and undertaken by volunteers under the constant supervision of professional archaeologists at all times.
- Areas of test-pitting will be demarcated by road irons and hazard tape to restrict unaccompanied public access and reduce the likelihood of accidents; individual test-pits will be covered by gazebo if weather permits.
- The topsoil will be removed in spits to the first archaeological horizon or, where none is found, to the natural subsoil. Any archaeological features encountered will be cleaned by hand to determine the



date of the deposits, their character and extent. Such features will be recorded by written description on pro forma recording sheets, by photograph and by measured drawing.

- All turf and spoil will be stored separately by material on tarpaulins, so that reinstatement can be achieved adequately at the end of the project.
- All archaeological features encountered will be dealt with by the on-site archaeologists. Should negative-cut features be encountered they will be 50% sample excavated in order to determine their significance, date and function. In the event that they are deemed to be important discoveries, they will be fully excavated. Recording will include pro forma sheets, drawings and photographs.
- All archaeological finds will be dealt with by the on-site archaeological team. The general practice will be to bulk recover all artefacts by context which date from the later phases of activity (eg modern waste materials). Should finds be encountered from the earlier occupation phases of the site they will be three-dimensionally recorded prior to up-lifting.
- All excavated feature fills and horizons may be sampled for palaeo-environmental evidence. This will also include micromorphological sampling in order to address key issues on soil development at the site.
- The trench locations will be surveyed using a sub-centimetre or sub-metre GPS or total station EDM. This information will inform any further work that may be required.
- All trenches will be backfilled with turf re-laid on completion of recording and no trench will be left open unless this is instructed by the NTS, the BBC or the Centre for Battlefield Archaeology, Glasgow University. If a trench is left open it will be demarcated with hazard tape to restrict access.

On completion of the excavation phase of work, a report suitable for submission to the Planning Authority and the National Monuments Record for Scotland (NMRS) will be produced. This report will be accompanied by the post-excavation research design and costing in order to bring the results forward for analysis and publication should this be required.

#### 4.0 Products

The products of a programme of work will be:

- a preliminary data structure report, after completion of all fieldwork suitable for submission to the Planning Authority, the NMRS and the local Sites and Monuments Record;
- a brief summary of results of the fieldwork will be submitted to Discovery and Excavation in Scotland and included within the OASIS online database;
- Post-excavation research design;
- Preparation and disposal of the site archive and finds.

#### 5.0 Copyright

Copyrights of the reports and all other information, including electronic information will rest on the client but the consultant will have the right to use the report and the survey results free of charge in relation to non-commercial activities or to promote its work.

#### 6.0 Archive Arrangements

Once all fieldwork is completed, all materials from the programme of work will be prepared to the appropriate archive standard. GUARD Archaeology will undertake to deposit the resultant archive to the National Monuments Record for Scotland (NMRS) on completion of the report for publication.



All finds will be reported to the Treasure Trove Advisory Panel, and GUARD Archaeology will undertake to ensure their safe deposition within the designated museum at the appropriate time.

## 7.0 Timetable

Works will commence on site on Monday 17 June 2013 and be completed by Sunday 23 June 2011 at the very latest. Work in the main areas of investigation (Appendix 1) will begin on 17 June with investigations in participating residents' gardens scheduled for the weekend of 22 and 23 June 2013. A draft data structures report will be submitted for comment by 5 July 2013.

## 8.0 Staffing

The excavations will be led by Warren Bailie, one of GUARD Archaeology's experienced project staff. A full CV for Warren can be made available on request. Assisting Warren will be four other professional archaeologists from GUARD Archaeology's project staff as well as students from the Centre for Battlefield Archaeology, Glasgow University.

## 9.0 Health and Safety and Insurance

### 9.1

All archaeological working practices will be subject to a risk assessment prior to commencement of the work where likely health and safety issues associated with the site will be highlighted.

### 9.2

GUARD Archaeology adheres to all standard Health and Safety regulations governing fieldwork projects. We also possess appropriate insurance cover, proof of which may be supplied upon request.

## 10.0 Appendix

See following page - Locations of proposed areas of test-pits for the Bannockburn Big Dig

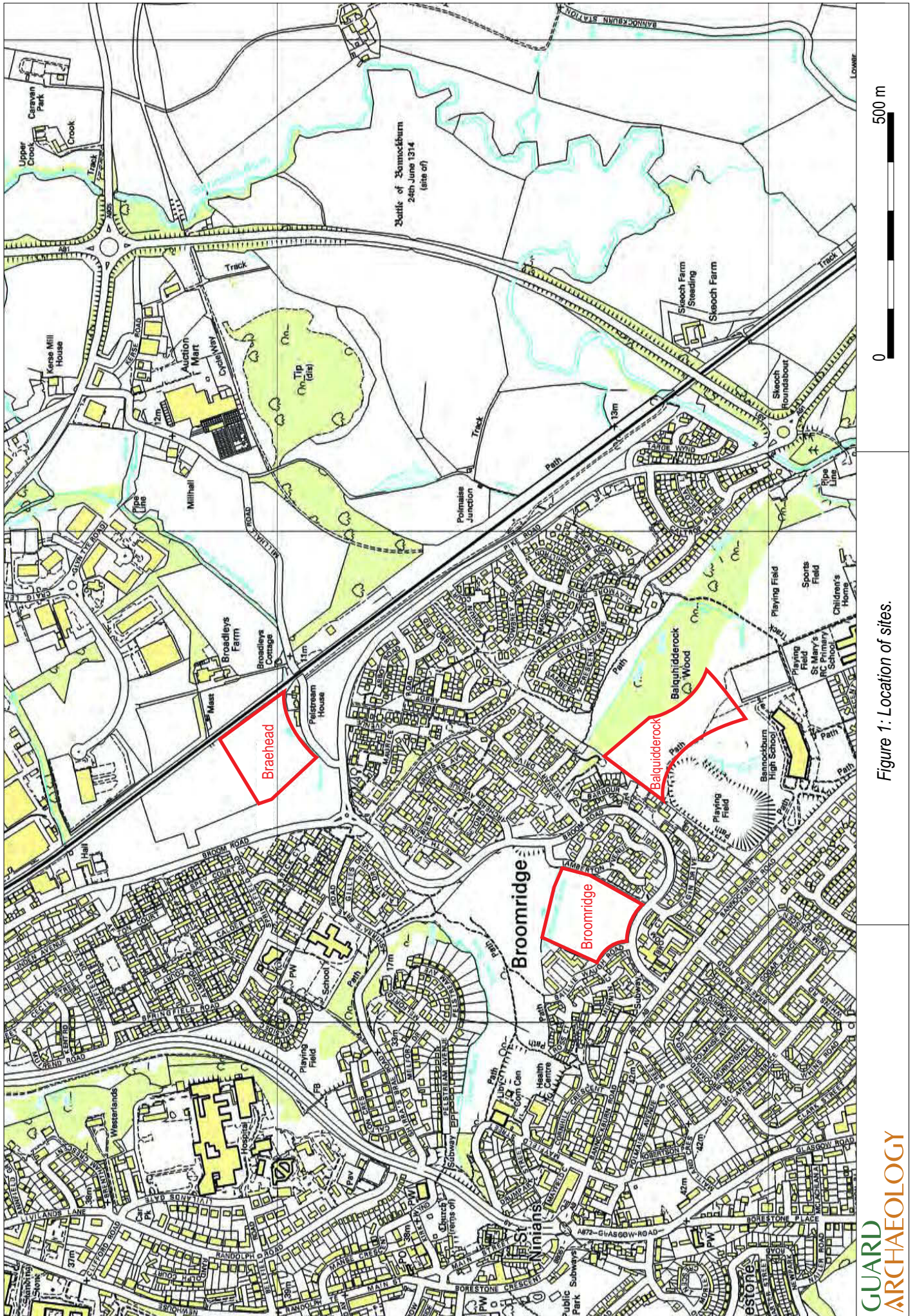


Figure 1: Location of sites.

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