# **The Islay Prehistory Project**

# Archaeological excavation and survey at Slochd Measach, Giant's Grave, Nereabolls, Islay

## **2017 Data Structure Report**

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**University of Reading 2017** 

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### Summary

This document reports on the results of the 2017 fieldwork season at the site of Slochd Measach chambered cairn, locally known as Giant's Grave, located near Neraebolls at the southern part of the Rhinns of Islay (NGR NR 2105 5642). The fieldwork consisted of the excavation of three trenches (Trenches 2, 4 and 5), photogrammetric 3D modelling, 3D laser scan survey and the electrical resistance tomography (ERT) survey.

The excavation in Trench 2 revealed a sequence of rubble deposits and fallen/displaced megaliths interpreted as the evidence for a tumble/dismantlement of the façade of the chambered cairn. A distinctive green rubble deposit concentrated around the entrance into the chamber may have been a deliberate blocking deposit abutting displaced megalith S19, which may have also been part of the blocking arrangement. The lower layers of rubble contained many flat regular slabs, which are interpreted as tumbled remains of the dry stone walling originally making up the 'post and panel' built façade. Fallen monolith S33 was uncovered under the rubble and overlying clayey buried soil horizon on top of glacial till.

Trench 4 investigated previously unseen SE end of the façade and its junction with the kerb wall of the cairn, which was first identified in Trench 3 in 2016. The stratigraphic sequence in Trench 4 was topped by a displaced megalith S36, probably a façade monolith, over a rubble deposit that was overlying two discrete Bronze Age insertions. A roughly built cist and a small niche were built over the remains of the Neolithic cairn and contained Bronze Age pots. The kerb wall was built next to the packing stones of an end stone socket of the façade, from which the stone was missing and could feasibly be the displaced S36. The position of the stone socket suggests that the overall shape of the façade was slightly concave rather than straight as previously believed. The kerb wall projected ahead of the façade and abutted a flat lying megalith S35, which was overlying another rubble deposit extending to the east. This rubble being stratigraphically earlier than the kerb wall and the incorporated megalith S35 was interpreted as either a platform or hornwork for the construction of the Clyde cairn or, alternatively, the remains of an earlier cairn. A thin buried soil horizon was underlying the rubble and overlying glacial till.

Trench 5 was placed c.20m to the south in order to investigate a suite of high resistance anomalies in this area. The source of the high resistance in this area was a layer of rubble below the peat, which probably represents a slope tumble of the cairn material. The rubble was overlying a layer of buried soil in which a leaf-shaped arrowhead (SF15) was found.

The ERT survey was conducted in an attempt to identify the length and the overall shape of the surviving remains of the cairn, especially in the area west of the chamber where the thick peat has prevented the sufficient penetration by the twin probe electrical resistance survey carried out in previous seasons. A 3D laser scan of the megalithic chamber and the exposed architecture in trenches 2 and 4 was obtained and together with the 3D photogrammetry modelling carried out in 2016 and 2017 it provides up to date digital record of the monument.

## 1. Introduction

Archaeological investigation of an Early Neolithic Clyde-type chambered cairn of Slochd Measach (Giant's Grave) on the Rhinns of Islay was carried out between 29<sup>th</sup> July and 19<sup>th</sup> August 2017 by a team from the University of Reading, Bournemouth University and Islay. Slochd Measach chambered cairn is located in the forestry plantation on the southeast slopes of Beinn Tart a'Mhill near the southern tip of the Rhinns of Islay (NR 2105 5642, Figure 1). The remains of the cairn have been described by Newall and Newall (1961) and described and surveyed by Henshall (1972: ILY 2) and then by RCAHMS in 1975 (RCAHMS 1984: 50, no. 7).



Figure 1 Location of the site in the southern part of the Rhinns of Islay and in relation to the Mesolithic/Neolithic site at Bolsay and the chambered cairn at Port Charlotte

The site is protected under law as a Scheduled Ancient Monument (File Ref. SC 27281/1B). The fieldwork was undertaken after the Scheduled Monument Consent (SMC) and the Section 42 Consent were granted by the Historic Environment Scotland (CASE 201601340). This report includes the results of the third season of fieldwork at the site following the evaluation and survey in 2015 (Mithen and Maričević 2015) and the excavation of Trenches 1 and 3 in 2016 (Maričević and Mithen 2016b). The scope of the investigation was previously set out in the Project Design (Maričević and Mithen 2016a) which accompanied the SMC application and which was further discussed and approved by the Historic Environment Scotland (HES).

#### 1.1 Research background

The transition from hunting and gathering to Neolithic farming lifestyles is one of the most pivotal events in human history. Having occurred independently in several different regions of the world during the early Holocene, including the Southwest Asia shortly after 8000 BC, Neolithic farming lifestyles spread across the European continent and eventually reached Britain sometime around 4000 BC. In the British archaeological and environmental record this 'event' is marked by the near simultaneous appearance of pottery, polished stone axes, domesticated animals and plants, increased vegetation clearance and the construction of monuments. The latter includes several groups of monument from throughout the western seaboard of Europe, including the Clyde type of chambered cairns in western Scotland, which are concentrated in Argyll, Arran and Bute. The current range of radiocarbon dates from the chambered cairns of this type places the start of their construction sometime before 3700 cal BC, although it remains unclear when exactly the first chambered cairns were built in western Scotland (Schulting and Richards 2002, Noble 2006, Cummings and Robinson 2015, Harris et al. 2014, Ashmore in Scottish Radiocarbon Database (SRD) via Canmore).

Islay and the surrounding islands, most notably Oronsay, provide a unique concentration of nationally important Mesolithic and Neolithic sites (Figure 2). For example, Storakaig, in the east of Islay, is the only non-shell midden Mesolithic site in Scotland with faunal remains (Wicks, Pirie & Mithen 2014). The site has a date range between 4460-4330 cal BC and 3930-3650 cal BC, which provides a significant overlap with the combined date range for the Oronsay middens between 4740-4060 cal BC and 4250-3140 cal BC. Both date ranges have a significant overlap with the dates of the Clyde cairns, including Port Charlotte on Islay with preconstruction dates of 3980-3640 cal BC, 3950-3630 cal BC and 3650-3100 cal BC, (Harrington and Pierpoint 1980). Similar dates come from Newton, c.5km northwest from Storakaig, where two pits containing Neolithic pottery produced dates of 3940-3640 cal BC and 3800-3520 cal BC (McCullogh 1989). Although we are dealing with overlaps between substantial date ranges, which by no means prove overlap in the activities at these Mesolithic and Neolithic sites, there is a significant cluster of dates spanning the transition in a narrow geographic proximity.

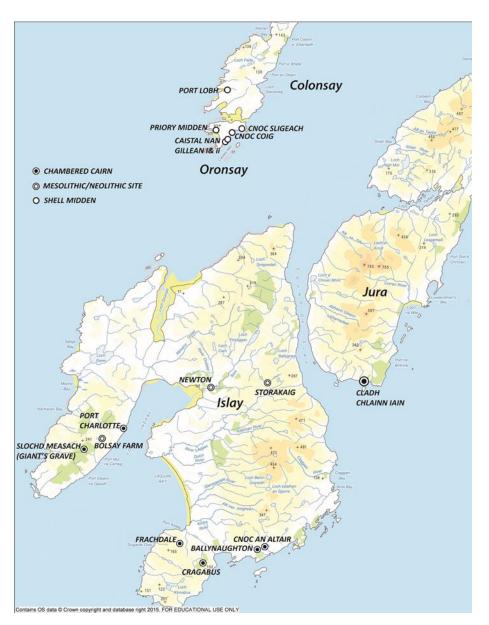


Figure 2 Map showing the location of Slochd Measach in relation to the Late Mesolithic and the Early Neolithic sites on Islay and the surrounding islands

Slochd Measach is located in the landscape known to have been regularly visited by the Mesolithic hunter-gatherers, as attested by the nearby site at Bolsay, which is 2km away and equidistant between Slochd Measach and Port Charlotte (Figure 1). Bolsay is the largest Mesolithic site excavated on Islay with 329,667 pieces of chipped stone forming no more than 20% of what is likely to be surviving at this location. In addition to the Mesolithic horizon interpreted as a hunting camp, Neolithic activity at Bolsay was demonstrated by a fragment of a polished stone axe and three C14 dates (3650-3100 cal BC, 3640-3370 cal BC and 3350-2920 cal BC). The second of these dates was taken from a willow sample deriving from undisturbed 'Mesolithic' occupation deposits (Mithen 2000). The location of Slochd Measach in the immediate vicinity of Bolsay offers a unique opportunity to investigate the expansion of the Neolithic monumentality and settlement into the landscape known to have been important in the Mesolithic and where the Mesolithic way of life may have survived longer than on mainland. Scotland's Archaeological Research Framework states that the "Neolithic'

is not uniformly manifested, either in terms of its character or chronology, across Scotland' (ScARF, Neolithic – Section 3.1). The excavation at Slochd Measach looks to bring better chronological resolution to a well-defined area and contribute to the understanding of the transition on both national and regional level.

### 1.1 Aims and objectives

The aims and objectives of the project as first set out in the 2015 Project Design (Mithen and Maričević 2015b) were:

1. To evaluate the state of the preservation of the monument including the soil profiles, with particular regard to the current vegetation cover and root disturbance;

2. To evaluate the soil profiles on the site with regard to the presence and preservation of archaeological deposits and palaeoenvironmental evidence;

3. To obtain modern digital record of the monument, the surrounding topography and any other relevant archaeological features in the vicinity;

4. To evaluate the potential of the site in contributing to the study of the Mesolithic-Neolithic transition on Islay and in western Scotland;

5. To contribute to the local understanding, appreciation and care for the heritage on the Isle of Islay.

In the light of the results of the evaluation and the survey work carried out in 2015 and in direct response to as yet unanswered questions related to the circumstances of the initial construction of the chambered cairn, we proposed a plan of investigation to be carried out in 2016 and 2017 with the aims:

1. To investigate the threat posed by vegetation inside the open part of the chamber and undertake rescue excavation, if necessary, as means of preservation by record of any deposits that might be affected by the disturbance;

2. To gain better understanding of the morphology, stratigraphy and construction history of the chambered cairn;

3. To gain understanding of the site prior to the construction of the chambered cairn;

4. To gain understanding of the ways in which the monument and the site as a whole were used in the Neolithic and subsequent periods;

5. To reconstruct absolute chronology for all parts of the archaeological sequence including pre-, during and post-chambered cairn phases of activity;

6. To use the results of the investigation and its published outcomes to create the basis for a funding application to AHRC in support of a wider landscape based project looking at the Mesolithic-Neolithic transition on Islay; Fieldwork objectives specifically designed to meet these aims were as follows:

1. To empty the chamber of water in order to investigate the internal deposits within the front two compartments of the chamber (C1 and C2) and establish whether any in situ deposits survive in this part of the tomb;

2. To carry out archaeological excavation of at four trenches in the course of two seasons, each lasting two weeks. Trenches 1 and 2 were contiguous and were designed to meet the aims related to the morphology, stratigraphy, phasing, use and dating of the chambered cairn, while Trenches 3 and 4 were also targeting the geophysical anomalies spatially related to the two alleged outlier megaliths to the southeast and the southwest of the chamber;

3. To obtain dating evidence for all parts of the sequence including any possible preconstruction deposits, the initial construction of the chambered cairn and any possible subsequent phases of construction or other Mesolithic/Neolithic and later activity that can be identified by the excavation;

4. To carry out further recording of the monument's architecture by the means of 3D scanning and photogrammetry;

5. To expand the existing limits of the geophysical survey and obtain the coverage across the entire clearing;

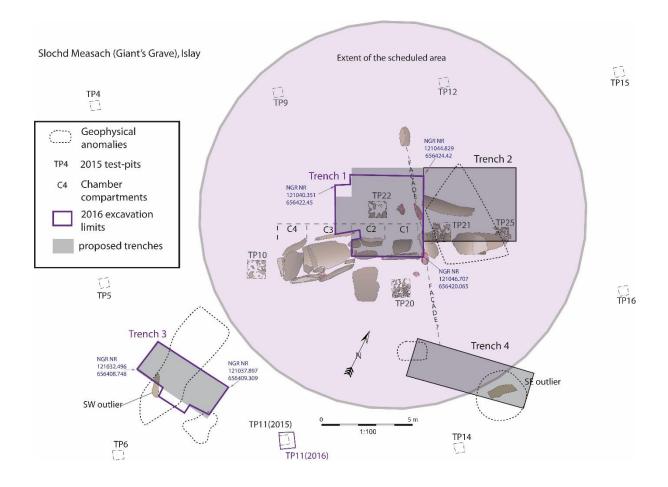
## 2. Methodology

### 2.1 Vegetation cropping and water management

Following the survey and thorough cropping of the vegetation carried out in 2015 it was expected that the cropping of vegetation in 2016 and 2017 was not going to be as intensive. The cropping of vegetation took place around the cairn to enable the excavation and the recording. Further cropping was carried out across the clearing to enable geophysical survey. Vegetation adjacent to the upstanding and recumbent stones of the chambered cairn was carefully cropped using hand tools to avoid any chance of damage to the monument.

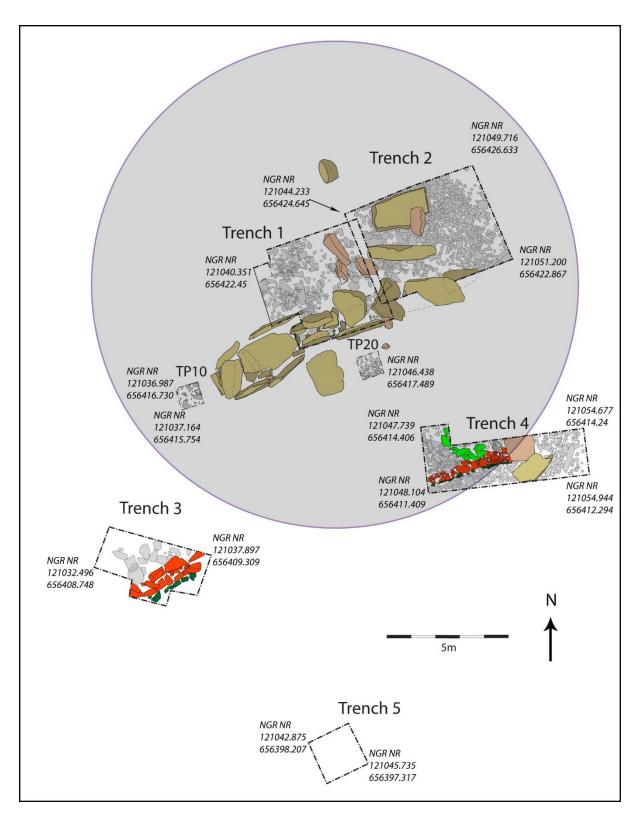
The interior of the chamber is permanently filled with standing water, the surface level in the interior being lower than the surface of the surrounding peat as first noted by Henshall (1972). The trenches were subject to filling up with water throughout the course of the fieldwork. Water pump with 50mm diameter inlet/outlet was used to pump the bulk of the water out followed by bailing out with the aid of buckets, plastic cups and sponges.

#### 2.2 Excavation, recording and reinstatement



*Figure 3 Location plan of trenches 1-4 as proposed in 2016 Project Design and the extent of the 2016 trenches as excavated* 

The excavation followed the recording methodology set out in the 2016 Project Design (Maričević and Mithen 2016a) and in compliance with the conditions attached to the Scheduled Monument Consent. Three trenches, Trenches 2, 4 and 5, were excavated in 2017 in addition to Trenches 1 and 3, which were excavated in 2016. Trenches 2 and 4 were either entirely or partially within the scheduled area, while Trench 5 was located c.12m south of the southern limit of the scheduled area (Figure 4). This location differs from the one suggested in the 2016 Data Structure Report (Maričević and Mithen 2016b: Figure 34), as the objective to ascertain the full length of the surviving cairn was investigated by ERT survey instead. Trench 5 was placed to investigate the suite of high resistance anomalies in the area to the south of the cairn.



*Figure 4 Plan of 2016 and 2017 excavation trenches in relation to the megalithic chamber and the scheduled area shown in grey.* 

#### Trench 2

Trench 2 was the continuation of Trench 1, excavated in 2016, although staggered for 0.5m to the northwest due to Trench 1 having been cut shorter than its proposed limits stated in the 2016 Project Design (Figure 3, Maričević and Mithen 2016a, 2016b:12). Trench 2 was positioned with the aim to investigate the line of the façade of the chambered cairn in conjunction with Trench 1 and the forecourt area of the cairn. The trench encompassed two 1x1m test-pits excavated in 2015 (TP21 and TP25) along the southern edge of the trench (Figure 3). Several large displaced megaliths were located inside the limits of the trench and along its edges. Great care was taken not to undermine or otherwise jeopardise their stability, especially portal stone S20, which is leaning at 45° angle. The southwest edge of the trench was cut back 0.5m into backfilled Trench 1 to create an overlap between them and ensure good link of stratigraphic units between the trenches and the overlapping photogrammetry models created in successive fieldwork seasons. The excavation of the deposits below the peat proceeded only after the consultation with HES via email including clearly explained photographs. The length of the trench was extended by additional 1m in the northeast direction at this stage with the permission from the HES. The extension was aimed at gaining a better understanding of the limits of the extensive rubble deposits filling the entire area of the trench, but beginning to peter out towards the northeast suggesting a possible edge. Thus the overall dimensions of Trench 2 in 2017 were 6.5m by 4m, 0.5m being overlap with already excavated Trench 1.

#### Trench 4

Trench 4 was roughly E-W orientated, 2m wide and 7m long with a 1m northwards extension at its western end. The proposed 4m by 6m trench (Maričević and Mithen 2016a) was enlarged for an additional meter in the easterly direction, outside the scheduled area in order to gain better understanding of the rubble deposits extending in this direction, while the 1m extension to the north was agreed in consultation with HES in order to gain better understanding of an important junction between the kerb and the façade of the cairn partially masked by a Bronze Age cist (Figure 4).

#### Trench 5

Trench 5 was a 2m by 2m SW-NE/NW-SE orientated trench located down the slope from the chambered cairn. The trench was not originally planned in the 2016 Project Design (Maričević and Mithen 2016a), but it was thought to be beneficial to the broader understanding of the site after the completion of the electrical resistance survey in 2016, which pointed at this area as particularly busy with high resistance anomalies (Maričević and Mithen 2016b).

#### Recording and sampling

The excavation of both trenches was carried out with hand tools and recorded using single context recording system tied into the overall digital survey of the site. All archaeological deposits were photographed and drawn at the scale of 1:20, all sections to the scale of 1:10. Newly exposed

architectural parts of the chambered cairn have been planned and incorporated into the 3D scanning/photogrammetry part of the recording process. All features were excavated to no more than 50% of their total, unless otherwise agreed with the HES. The location of all small finds was recorded in 3D using Leica GS09 GPS rover. Bulk samples (30l) from each context were collected to be either wet sieved through 4mm sieve or selected for flotation as appropriate and depending on context. A series of spot charcoal samples for C14 dating have been taken. These will be cleaned and given to a charcoal specialist for identification and assessment prior to a selection being sent for the AMS dating in respect to their suitability and the stratigraphic position. All lists generated by the fieldwork, namely context, sample and small find registers are included in the appendices to this report.

#### Reinstatement

The excavation trenches were backfilled at the end of the season returning the site to its original state (Figure 6). Special care was taken during the excavation and recording of the cairn and other structural material, which was reinstated according to the 3D records obtained prior to its excavation, so it resembles its original appearance and stratigraphic order as closely as possible. Prior to backfilling the cairn and other architecture in Trenches 2 and 4 was protected with Teram breathable protective sheeting.



Figure 5 Backfilled Trench 2 from the northeast (left) and Trench 5 from the south (right)



*Figure 6 Trench 4 from the west showing the archaeology protected with Teram sheeting (left) and fully backfilled trench from the west (right)* 

#### 2.3 Geophysical survey

An electrical resistance tomography survey (ERT) was conducted in an attempt to identify the full length and the shape of the surviving remains of the chambered cairn, parts of which are under the peat excess of 1m deep and, hence, beyond the penetration capabilities of the twin probe electrical resistance survey conducted in 2015 and 2016. The survey used 64 probes at 0.5m probe and 1m line spacing. Twenty six lines perpendicular to the orientation of the chambered cairn were surveyed starting from the line of the façade towards the back of the cairn as far as the edge of the forestry clearing. An additional line on the same orientation was surveyed to the east of Trench 2, i.e. at the forecourt side of the façade. Nine lines were surveyed perpendicular to these lines, i.e. along the same orientation as the chambered cairn, thus ensuring the survey was covering as many subsurface geometries as possible.



*Figure 7 The ERT survey cables and probes with the excavation of Trench 2 in the background.* 

#### 2.4 Photogrammetric survey

Photogrammetric survey of all main archaeological horizons in all three trenches was carried out using Canon EOS 50D digital SLR camera. The images were processed using Agisoft PhotoScan software as individual photogrammetry models and will be eventually combined with the 3D laser scan data to form one overall 3D digital model of the site. All photogrammetric models processed to date can be seen at https://sketchfab.com/sagesuav/collections/giants-grave-islay.



Figure 8 Overhead stills from the Stage 2 and 3 photogrammetry models of Trench 2

#### 2.5 Terrestrial 3D laser scan survey

The terrestrial Laser Scanner collects coordinate data of its surroundings. It emits a rotating laser beam that can capture 120,000 points a second, working on time-of-flight and phased-based principles. It colours this data from panoramic photographs. Each scan takes approximately 15 minutes. Once a scan is complete, the equipment is moved and set up again ready to scan. Each scan is then 'registered' together using common GPS locations and overlap in point data from matching geometry (40-60%). This creates a very accurate virtual model of the site. The Giant's Grave survey was carried out in the third week of the excavation and covered the archaeology open in Trenches 2 and 4, as well as the upstanding architecture of the megalithic chamber. The 3D laser scan survey was carried out by Aiji Castle of Topcon using GLS-2000 Topcon laser scanner.



Figure 8 Terrestrial 3D laser scan survey

## 3. Results of the 2017 fieldwork

#### 3.1 Excavation

#### Trench 2

Trench 2 was a continuation of Trench 1, excavated in 2016, projecting the overall extent of the excavation to the northeast. While Trench 1 focused on the surviving remains of the cairn and its relationship with the chamber, Trench 2 was mainly concerned with the forecourt area of the cairn. Together the two trenches straddled the line of the façade, which was largely missing except for one monolith S22, which was located beyond the scope of the excavation (Figure 9). Trench 2 incorporated two 1x1m test-pits excavated in 2015, TP 21 and TP 25, which were located along the line of displaced megaliths S19, S20 and S21. Test-pit TP21 established that S20, a portal stone, was leaning at 45° and was overlain in this position by S19, a displaced megalith leaning onto the entrance jamb stone S25. Rubble (211), excavated in TP21, abutted S19 and S20 and the excavation did not progress any further due to the small size of the test-pit. A thin long monolith S23 was also within the limits of Trench 2, lying prone and projecting centrally across the trench where it was presumed to have been toppled either as a façade stone or potentially a second portal stone. Test-pit 25 exposed a layer of rubble and a small upright stone S28 in line with prone megalith S21, but was not excavated at the time.



Figure 9 Trench 2 from the southwest after the removal of peat (1001)(1002) and de-backfilling of testpit TP21, showing rubble (1025) and (1024) around megaliths S24 and S25, which mark the entrance to the chamber, S20 and S23 probable portal stones, S21, S28 and S34 in line along the southeast baulk.

The removal of peat (1001)(1002) has revealed the full extent of prone megalith S23, which was left in place and was not undermined by the excavation, hence, forming a projecting baulk across the middle of the southwestern part of the trench (Figure 9). Test-pit TP21 was emptied of its backfill and initially acted as a water sump. The main part of the trench was completely covered by rubble which was highest in the northwest corner, where a small distinctive mound of rubble was investigated as a separate context (1025). The mound was half-sectioned (Figure 10) and then fully excavated as it was established that it did not represent significantly different deposit from the rest of extensive rubble layer (1024), which gradually sloped away from the line of the façade. The slope of the deposit was suggestive of a possible edge immediately beyond the baulk, so an extension of 1m to the northeast across the width of the trench was agreed with the Historic Environment Scotland, as was the proceeding of the excavation across the entire trench.



Figure 10 Rubble tip (1025)

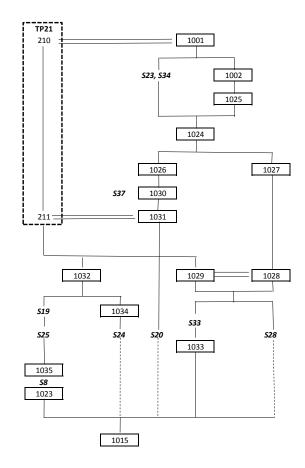


Figure 11 Stratigraphic matrix for Trench 2

Context no.	Description	Interpretation	Stratigraphic relationships	Initials/Date
Trench 2				
1024	rubble deposit in dark brown silt matrix	top extensive layer of rubble deposit across Trench 2	U/L 1025, O/L 1026	SLG 03/08/17
1025	rubble deposit in dark brown silt matrix	<i>discrete mound of rubble in NW corner of the trench</i>	O/L 1024, U/L 1002	SLG 03/08/17
1026	rubble deposit in dark brown silt matrix	layer of extensive rubble across Trench 2	U/L 1024, abuts 1030, O/L 1031	DM 09/08/17
1027	rubble deposit in yellowish brown silt	discrete spread of rubble on top of fallen monolith S33	U/L 1024, O/L 1028	DM 09/08/17
1028	large angular stone tip between two fallen monoliths S23 and S33	tip of angular stones spilling over southeast side of fallen monolith S33 and under S23 (SAME AS 1029)	U/L 1027, O/L S33	DM 09/08/17
1029	rubble deposit across eastern half of the trench	rubble deposit made up of large often regular stones, perhaps derived from collapse of dry stone walling of the façade (SAME AS 1028)	U/L 1027, abuts S33, O/L 1033	DM 09/08/17
1030	N-S line of large loose stones stretching above S33 and under S23	loosely arranged line of stones across rubble collapse forming remains of a possible enclosure or a shelter	U/L 1026, O/L1031	DM 13/08/17
1031	predominantly greenish rubble with some grey and pinkish stones	distinctive rubble around the chamber entrance, possible blocking episode	U/L 1028, O/L 1032, abuts S19, S20, S24	DM 14/08/17
1032	mid-greenish grey gritty clayey silt	deposit in a sondage next to stone S24	U/L 1031, O/L 1034, abuts S24, S19	SML 15/08/17
1033	pale yellowish brown silty clay	clayey surface of buried soil horizon beneath the rubble in the forecourt of the cairn	U/L S33, 1029, O/L 1015	TL 16/0817
1034	light yellowish brown silty clay	clayey deposit at the base of the sondage next to S24	U/L 1032, abuts S24	EW 16/08/17

Table 1 List of contexts from Trench 2

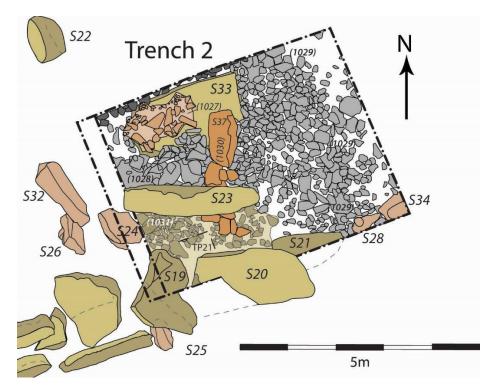


Figure 12 Plan of Trench 2 showing deposits (1027), (1028), (1030) and (1031)

The excavation of rubble deposits (1024) and (1025) exposed a three distinct rubble deposits in the western half of the trench (1027), (1028) and (1031) and a linear arrangements of large stones (1030). The eastern half of the trench continued to be occupied by rubble similar to (1024), which was, however, excavated as a separate context (1026). Rubble (1026) abutted the line of stones (1030), which was running on an N-S alignment underneath and perpendicular to prone megalith S23. It incorporated large syenatic gneiss stone S37, similar to S32, exposed on the other side of the façade line in Trench 1 (Figure 12). Stones (1030) were overlying deposit (1028) and deposit (1031) on the opposite side of megalith S23 (Figure 12).

Deposit (1028) was a jumble of mainly flat angular stones filling the space between megalith S23, which was overlying them, and newly emerging megalith S33, which was underlying the rubble deposits (Figure 13). Many of the stones in deposit (1028) were set at an angle over each other suggesting a collapse of a section of dry stone walling, presumably from the direction of the façade. On top of the flat surface of megalith S33 was a discrete deposit of rubble set in yellowish brown silt (1027) (Figures 12 and 13), which was recorded, sampled and excavated in full. Deposit (1031) was a greenish metagabbro-derived rubble, which occupied the entire space between megaliths S23, S24, S20 and S19 (Figure 12), i.e. the area in front of the entrance into the chamber. This deposit was the same as (211) partially excavated in test-pit TP21.



Figure 13 Trench 2 from northwest showing deposits (1027), (1028) and (1030) in relation to stones S23 and S37 (top) and deposit (1028) during the excavation showing its relationships with overlying S23 and underlying S33.

In the southeast corner of the trench there were two upright stones S28 and S34 (Figure 14). Stone S28 was noted in 2016 during the excavation of test-pit TP25, while stone S34 was seen for the first time under peat (1001). The stones are in line with megaliths S20 and S21 and in the first instance it looked possible that they might represent a deliberate arrangement of some kind, perhaps remains of an enclosure wall or similar. While this still might be the case, it is significant to register their stratigraphic positions in relation to rubble (1026), which was underlying stones S21 and S34, while stone S28 was set firmly into it (Figure 15). This part of deposit (1026) was left unexcavated as to avoid undermining stone S28, which is clearly earlier than the stones to either side of it and possibly *in situ* part of the forecourt furnishing.



Figure 14 Overhead view of the photogrammetry model of trench 2 showing deposits (1030), (1031), (1028)=(1029) and displaced megaliths S33, S23, S19, S20 and S21.

The excavation of rubble (1026) revealed a layer of larger and more regular stones (1029), many of which were flat and often sub-rectangular or sub-square in shape. This layer was given a separate number during the excavation based on its extent previously occupied by rubble (1026) in the east half of the trench. However, the excavation proved that (1029) joins deposit (1028) under the line of stones (1030) and that the two contexts are generally same in character and represent the same deposit (Figures 12 and 14). The number of regular flat stones increased towards the lower part of the deposit, with few embedded into soft silty clay layer below. One of these basal slabs had a complete base of a pot SF24 resting on its surface (Figure 16).

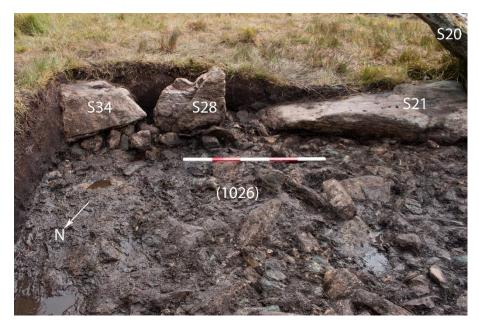


Figure 15 Stones S34, S28 and S21 along the baulk of the southeast corner of Trench 2



Figure 16 Pot base SF24 in deposit (1029)

Underlying deposit (1029) was yellowish brown silty clay deposit (1033), which was exposed across the eastern half off the trench free from fallen megaliths. It is not entirely clear whether this deposit, which was overlying natural glacial till (1015), was a buried soil horizon or a deliberately laid surface of some kind. The deposit was continuing underneath fallen megalith S33, which appears to have been the earliest façade element to collapse, at least within the limits of Trench 2. Unfortunately, there was no time to look for a possible socket for stone S33 due to worsening weather conditions. A sondage through deposit (1033) was excavated next to fallen megalith S33 and the northwest baulk of the trench, so that the deposit could be sampled for flotation and micromorphology. A micromorphology kubiena sample (SA194) was inserted into the deposit below megalith S33 (Figure 18), where it would have been protected from subsequent trample and rubble deposition. Micromorphological analysis of the thin section of the sample will be able to answer questions regarding the formation, composition and taphonomy of the deposit. At this stage, we note that (1033) was at the base of Trench 2 differed from deposit (1012), interpreted as buried soil horizon underneath the cairn material in Trench 1 due to being more tenacious and clayey.

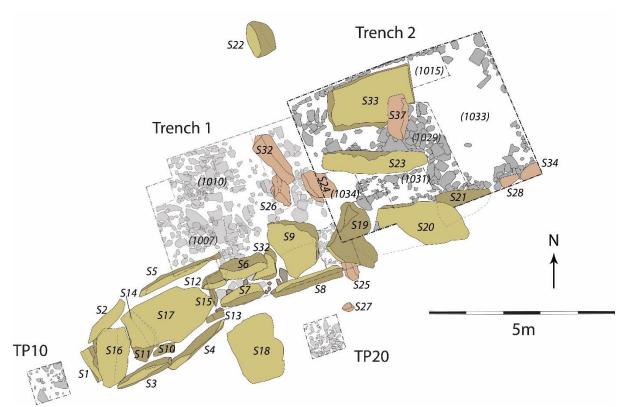


Figure 17 Plan of Trench 2 at the end of the excavation showing the location of sondages through deposits (1033) and (1031). Also showing the extent of the 2016 and 2017 excavations next to and inside the chamber.

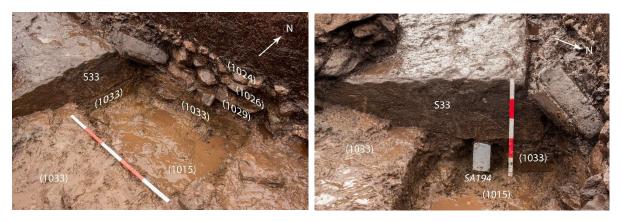


Figure 18 Sondage through deposit (1033), showing the sequence of overlying rubble deposits in the baulk section (left) and the location of micromorphology sample SA194 underneath megalith S33.

A second sondage in Trench 2 was excavated through deposit (1031) next to *in situ* jamb stone S24 in an attempt to relate surrounding deposits in Trench 2 to the construction of the chambered cairn. Deposit (1031) was overlying (1032), a greenish gritty deposit, which was overlying light yellowish brown silty clay (1034) and abutting stones S19 and S24 (Figure 19). Deposit (1034) was sampled for flotation. The conditions in the sondage were very wet at this point with water accumulating rapidly and the relationships were difficult to ascertain, but it appeared that the (1034) abutted jamb stone S24m, as no sign of a stone socket cut or packing could be found. Stone S24 started to narrow and (1034) extended up to it under the cleft in the stone. The base of the stone was not reached due to limited space and worsening conditions. It is worth at this stage remembering that the other entrance jamb stone S25 was not placed in a socket but put up onto a dry stone walling ((1035) - this context

number was changed in 2017 from (1024) to (1035) due to double numbering) above the level of construction cut for the chamber orthostats and above the base of displaced megalith S19 (Maričević and Mithen 2016b:fig.13).

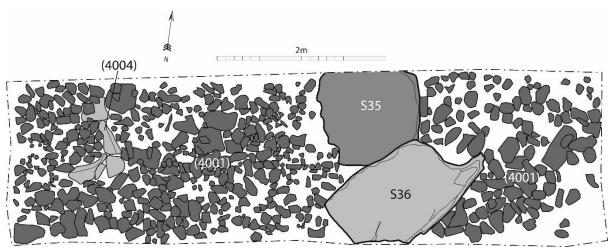


Figure 19 Deposit (1032) between megaliths S19 and S24

#### Trench 4

Trench 4 was located c.7m to the southeast of Trench 2 (Figure 4). It was roughly E-W orientated trench, 7m long and 2m wide. A 1m northward extension at the western end of the trench was made after consultation with HES. The objectives of Trench 4 were to locate the southeast end of the façade, which is entirely absent south of entrance jamb stone S25, and to investigate high resistance circular anomaly around the outlier stone S36 (Maričević and Mithen 2016a). Following the 2016 excavation in Trench 3, which located the kerb wall of the monument, it was also postulated that the façade and the kerb wall may meet in Trench 4.

Removal of peat (4000) revealed layer of rubble (4001), which appeared to be the same deposit on both sides of two megaliths, displaced and angled metagabbro stone S36 and prone, but *in situ*, cyenatic gneiss stone S35, which overlapped and bisected the trench in two (Figure 20).



*Figure 20 plan of Trench 1 after the removal of peat (4000) showing rubble (4001) either side of stones S36 and S35. The shape of cist (4004) can be seen emerging through the rubble.* 

Context no.	Description	Interpretation	Stratigraphic relationships	Initials/Date
Trench 4				
4000	dark brown peat	peat at the top of the sequence	O/L 4001	TL 03/08/17
4001	rubble in dark greyish brown silty Ioam matrix	top spread of rubble across Trench 4	O/L4003, 4007, 4002, 4010; U/L s36, 4000	TL 03/08/17
4002	soft dark brown silt with small rubble	fill of a cist	FO 4004, U/L 4001	JO 05/08/17
4003	dark brown silt filling a depression	peaty silting of a depression in the SE corner of the trench over rubble 4006	O/L 4006, U/L 4001	DM 05/08/17
4004	cist structure	roughly built cist made of two perpendicularly set slabs and lining of smallish stones	FB 4002, O/L 4005	JO 05/08/17
4005	stone wall	kerb wall of chambered cairn built of flattish stones and small choking stones on the outside	U/L 4004, abutted by 4016, 4012, butts 4013, S35	JO 07/08/17
4006	rubble in dark brown peaty matrix	rubble abutting S35 from the east	U/L 4003, butts S35, O/L 4008	JO 09/08/17
4007	compact rubble in dark brownish peaty loam	rubble overlying wall 4005 at the west end of the trench	U/L 4001, O/L 4009, butts 4004	JO 11/08/17
4008	rubble in mid brownish peaty matrix	coarse rubble in the east end of the trench underlying S35, remains of possible kerb at the east extent	U/L S35, 4006, O/L 4014	DM 14/08/17
4009	rubble in mid brownish peaty matrix	rubble situated alongside kerb wall 4005, abutting it from the south	U/L 4007, O/L 4011, butts 4005	JO 15/08/17
4010	soft fine rubble in dark brown silty matrix	fill of stone socket structure 4013	FO 4013, U/L 4001	CR 15/08/17
4011	soft dark brown peaty silt	top fill of niche 4012	FO 4012, O/L 4015, butts 4005, U/L 4009	JO 15/08/17

4012	simple structure of	small niche-like 3-	butts 4005, FB	DM 15/08/17
	elongated stones	sided structure	4011, 4015,	
	containing fill and	abutting the outside	O/L 4016	
	pottery	of kerb wall 4005		
		and containing pots		
4013	structure/packing	stone packing	FB 4010,	DM 15/08/17
	built of elongated	forming a stone	abutted by	
	large stones set on	socket for the end	4005	
	tip	façade stone which is		
		missing		
4014	mid brown silty clay	buried soil horizon	U/L 4008, O/L	DM 15/08/17
		below rubble 4008	4017	
4015	dark yellowish brown	lower fill of niche	U/L/ 4011, FO	JO 16/08/17
	silt	structure 4012	4012	
		containing pot		
		remains		
4016	compact rubble to	rubble with niche	U/L 4012,	SLG 17/08/17
	the south of kerb	4012 set into it and	abuts 4005	
	wall 4005	abutting the kerb		
	(unexcavated)	wall 4005 and \$35,		
		relationship with		
		4008 unknown		

Table 2 Context list for Trench 4

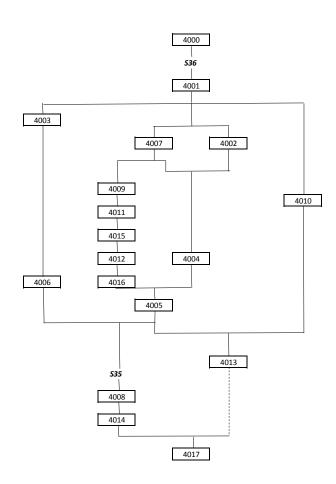


Figure 21 Stratigraphic matrix for Trench 4

The rubble (4001) dipped in the very southeast corner of the trench. Upon its removal silty dark deposit (4003) was found localised in this dip and overlying further rubble deposit (4006), which was also dipping in the eastward direction. In the southwest corner of the trench rubble (4001) was overlying extremely compact course rubble (4007), which was difficult to excavate due to several large stones continuing into the baulk of the trench. Large pot sherd SF22 was found among the stones. Some of the stones were surrounded by iron panning concretions, which kept the shape of the stones. A sample of this material was taken to evaluate for any organic remains.



Figure 22 Top left - Location of cist (4004) from the west; Top right - from the northwest showing stone lining and pot SF17 in the interior; Bottom - Close up of pot SF17.

With the removal of (4001) and (4007) two different stone-built structures started to emerge. Near the western end of the trench two small flat slabs were set on edge to make a right angle for two sides of a roughly built cist (4004). The nature of this structure was not clear at first, as its makers did not

seem to create the opposing sides in the same manner or at least the sides did not survive. Instead, the feature was lined with small stones and set into underlying rubble (Figure 22). Cist (4004) was filled with loose rubbly fill (4002), which contained damaged, but complete pot SF17, lying on its side with the base towards the southern edge of the interior.

There was no evidence of human remains in the fill of the cist. The pot was lifted together with its content to be excavated in the laboratory and professionally conserved. The fill of the cist was fully excavated in order to retrieve the pot safely and 100% sampled for environmental and scientific analysis. It is possible that minute fragments of bone have been retrieved in flotation samples, but these will need to be confirmed by a specialist in post-excavation. The structure of cist (4004) was left intact to be preserved in situ.

The southern side of the cist was overlying second structure in the form of a wall built from flat stone slabs, which was running on a WSW-ENE orientation. The wall had a straight outer face towards ESE, which was line with small flat stones that seemed to have acted as choking stones between the face of the wall and the outer rubble that abutted it. The interior side of the wall was partly masked by cist (4004) and partly abutting several angled stones (4013) enclosing roughly oval space against the northern baulk of the trench, which was filled with loose rubble (4010) (Figure 23). A 1m wide extension was opened to the north of cist (4004) to investigate any possible continuation of this structure and to gain better understanding of the relationship between wall (4005), believed to be the kerb wall of the trench helped to identify angled stones (4013) as packing stones within a stone socket for the end façade stone of the chambered cairn. The fact that the kerb wall (4005) and the packing stones (4013) were of one build suggests that this was indeed a junction between the kerb wall and the façade of the chambered cairn.

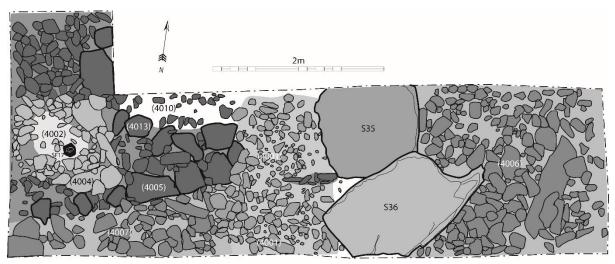
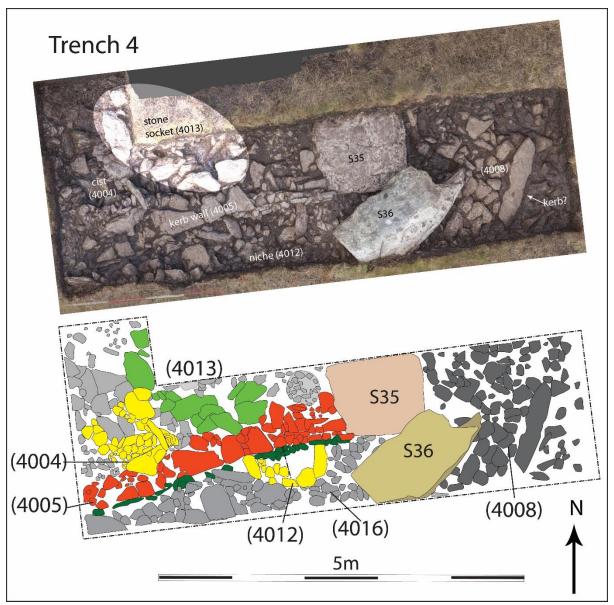


Figure 23 Multi-context plan of Trench 4 showing cist (4004) overlying kerb wall (4005), which is still partly masked by rubble (4001) to the east, and fill (4010) inside stone socket (4013).

The facing stones of kerb wall (4005), however, continued beyond stone socket (4013) and abutted large cyenatic gneiss stone S35, which was lying horizontally 1m to the east (Figure 24). It appears that this stone was purposefully laid as part of the structure, thus creating short hornwork projecting from the end of the façade. Abutting the face of wall (4005) from the south was a simple three-sided structure (4012), filled with soft dark brown silt (4011) and compact yellowish brown silt (4015). Both fills contained numerous pottery sherds, which appeared to be parts of two separate vessels SF25 and SF27 (Figure 25). The fills were half-sectioned and sampled, at which point the excavation ceased.

Structure (4012) was set into underlying rubble (4016), which was not excavated. From surface observations it was concluded that (4016) also abuts wall (4005).



*Figure 24 Annotated photogrammetry model overhead and a schematic plan showing of tench 4 at the end of the excavation.* 



Figure 25 Top left – Pot SF25 in fill (2011) of niche (2012); Top right – Some of the sherds of pot SF27 from fill (4015). Bottom – half-sectioned fill (4015) after the removal of pot SF27 showing the shape of structure (4012). View north.

On the east side of stones S35 and S36, rubble (4006) was excavated to reveal courser more rounded rubble (4008), which may have been kerbed by a long flat metagabbro slab (Figures 24 and 26). While (4006) abutted the east side of stone S35, (4008) ran underneath it, indicating that it predates the construction of the kerb wall of the chambered cairn. Although the connection could not be made between (4008) and rubble (4016), at the southern side of wall (4005), the fact that (4008) runs underneath S35 abutted by wall (4005), which was abutted by (4016) indicates that they cannot be the same deposit., leaving (4008) as the earliest structural element in the trench and probably the site as a whole. A small sondage was excavated into (4008) so that the deposit can be sampled and that

the samples can be obtained from underneath the structure. Underlying (4008) was a thin layer of mid brown silty clay (4014), interpreted as a buried soil. It was overlying glacial till (4017).

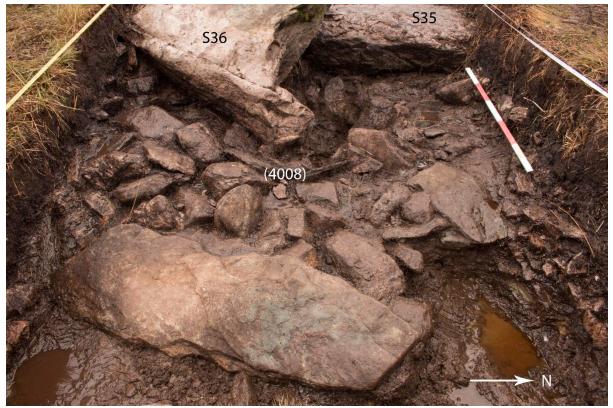


Figure 26 Rubble (4008) with a possible kerb and a small sondage to the right of it. Deposit runs underneath stones S35 and S36.



Figure 27 Trench 4 at the end of the excavation from the east (left) and from the west (right).

#### Trench 5

Trench 5 was a 2m by 2m trench located c.20m down the slope and directly south from the middle of the chamber (Figure 4). The trench was positioned among a concentration of high resistance anomalies, some of which were suggestive of possible structures (Maričević and Mithen 2016b). Considering the complexity of structural archaeology in Trench 3, it was deemed advisable to investigate this area in the last planned season of excavation.

Context no.	Description	Interpretation	Stratigraphic relationships	Initials/Date
Trench 5				
5000	dark reddish brown peat, getting darker and blacker towards the base	peat	O/L (5001)	TL 05/08/17
5001	consistent rubble across the whole trench	possibly laid down, alternatively tumble from further up the slope	O/L 5002, U/L 5000	TL 05/08/17
5002	dark brown sandy clay with sub-angular and rounded pebbles	buried soil horizon or colluvial soil	O/L 5003. U/L 5001	DM 07/08/17
5003	mid orangey-brown sandy clay	glacial till	U/L 5002	MV 12/08/17

Table 3 List of context from Trench 5

The sequence inside the trench, however, was straight forward and consisted of peat (5000) over rubble (5001), which was overlying buried soil horizon (5002) that may have had been colluvial in character as it contained both angular and rounded pebbles and was sandier than the buried soil layers observed in the trenches further up the slope. This layer was overlying glacial till (5003). Rubble (5001) was of interest in relation to the extensive spread of cobbling we encountered in trench 3 and test-pit TP11. Considering the extent of the high resistance in this part of the site it is not inconceivable that they all represent one large area of hard standing. Alternatively, the rubble in Trench 5 could be a derivative of a number of possible structures further up the slope.



*Figure 28 Left – Rubble layer (5001) in Trench 5 from the southwest; Right – Trench 5 from the SSW showing the sequence of excavated deposits.* 

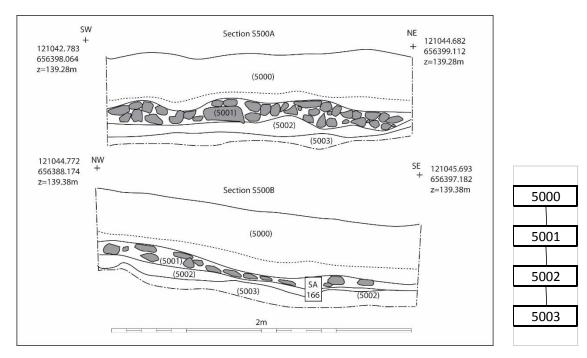


Figure 29 Sections S500A and S500B and the stratigraphic matrix for Trench 5. Location of micromorphology sample SA166 in section S500B is also shown.

Underlying deposit (5002) may have also been formed by colluvial action. It was heavily sampled for wet sieving after flint arrowhead SF15 and flint flake SF19 were found in it. The arrowhead appears to be unfinished leaf-shaped arrowhead, suggesting Early Neolithic date (Figure 30). A micromorphology Kubiena sample was taken through the deposit to further analyse its formation in post-excavation.



Figure 30 Flint arrowhead SF15 from deposit (5002).

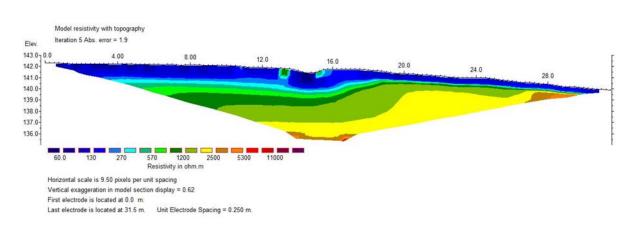
#### 3.2 Electrical resistance tomography survey (by Mary Saunders)

#### Introduction and technical background

In parallel to the 2017 excavation season, a detailed 2.5D Electrical Resistivity Tomography (ERT) survey was undertaken within the Slochd Measach clearing. The aim of this work was to determine the depth of the peat across the site and to ascertain whether there was any evidence, beneath the peat, of the burial mound or other remains continuing away from the excavated and extant features.

ERT involves the injection of a current into the sub-surface in exactly the same manner as conventional earth resistance survey, for example, as with the Geoscan RM15. A series of 64 electrodes are laid out along the survey line and the instrument programmed to measure with four electrodes at any time. Two of these electrodes inject a current, while two are used to measure the potential difference across this current. The instrument firstly measures at all the positions possible using the minimum electrode spacing, before repeating the process, increasing the electrode spacing each time. The final reading uses the maximum electrode spacing possible. Theoretically, the greater the distance between the electrodes, the deeper the depth of measurement and by undertaking a series of measurements in this way, it is possible, following mathematical correction, to generate a 'pseudosection' through the subsurface. This work employed a Wenner array as the horizontal interface between peat and archaeology was of most interest.

Because of the depth of the known archaeology, here the electrodes were spaced 0.5m apart. The first 27 lines were spaced 1m apart, with a further 9 lines also measured at right angles to the first group. The position and height of each electrode was recorded by differential GNSS. This type of gridded, very closely spaced survey is referred to as 2.5D as, following processing, the resultant data can be used to approximate a 3D representation of the subsurface.



#### Selected results

#### Figure 31 Line 5. The stones of the tomb can be easily seen at the centre of the profile.

Full 3D analysis of the data has yet to be performed, however, the 2D psuedosections show very clearly the stones and water logging around the tomb, for example Line 5 (Figure 31), together with a distinct layer of very low resistance material at the top of the profile. This low resistance area is likely to

equate to the extent of the peat and it is interesting to see how marked the interface between this and the higher resistance material below is, particularly downslope of the tomb. In this downslope area, the peat appears to be shallower, but the distinction between it and the material below is much more marked. This could equate with a layer of rubble found under the peat during excavation.

During the excavation, a mound was investigated slightly downslope of the tomb and this appears to be evident in Line 3 (fig. 2) as a small area of high resistivity close to the surface, although because a trench was open in this area at this time, this would have also caused a high resistivity reading.

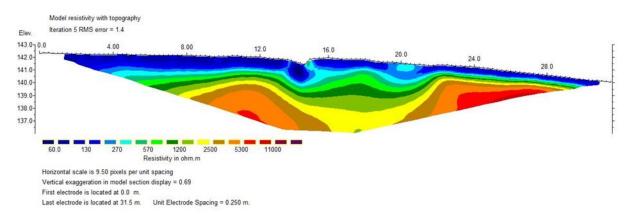
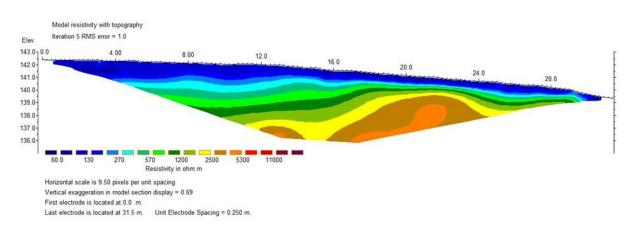


Figure 32 Line 3 shows the position of the tomb as low resistivity bounded on either side by high, together with the location of a mound downslope.

Moving westwards away from the tomb, the very sharp distinction between the peat and the layer below it becomes less obvious (Figure 32). This may suggest that the compact rubble seen downslope from the tomb during excavation, does not extend into this area. It seems likely that the subsurface high resistivity area which is present in Line 12, and also evident in the other pseudosections, has a natural origin. It is most likely that before the accumulation of peat, the underlying bedrock was evident close to the ground surface. There is a suggestion that this bedrock rose up to create a lip, inside of which the greatest peat accumulation has occurred.



*Figure 33 Line 12 shows less of a distinction between the peat and the material immediately beneath it. The deeper high resistivity area is thought to relate to the presence of underlying bedrock.* 

Between approximately 5 and 7m west of the tomb, a series of small, near surface anomalies are evident in the pseudosections, for example in Line 16 (Figure 34). Because these anomalies are so

shallow, they are thought most likely to relate to post-medieval material previously identified during excavation. Further 3D processing is required to interpret these responses further.

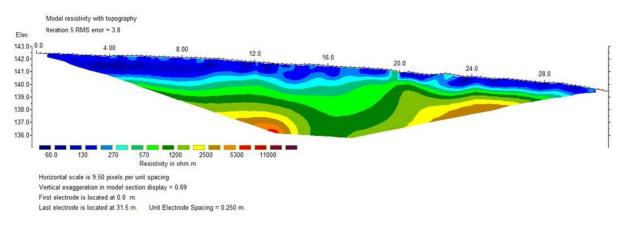


Figure 34 Line 16 shows evidence for small near surface features.

The perpendicular lines again show a clear distinction between the deep peat upslope of the tomb and the area downslope, where the rubble was found. The interface between the peat and the underlying material in Line P1 is much less distinct that seen in Line P7 (Figures 35 and 36).

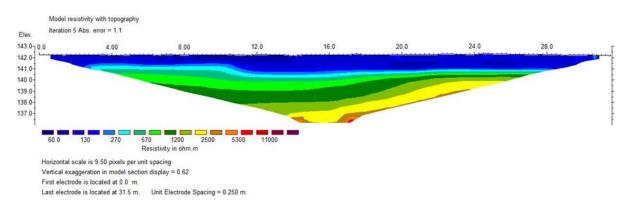
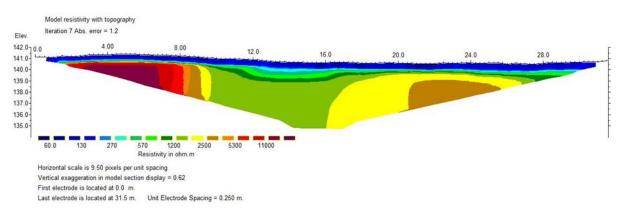


Figure 35 Line P1 shows a more gradual distinction between the peat and the underlying material.



*Figure 36 Line P7 shows a much sharper distinction between the material. This is likely to be the result of underlying rubble and the presence of near surface bedrock.* 

#### Summary

The ERT survey clearly shows a distinct layer of peat overlying the entire site, with the deepest area around and upslope of the tomb. It is thought that the underlying bedrock is reasonably close to the surface all across the site, but that it may have outcropped downslope of the tomb forming a lip.

Moving downslope of the tomb, the interface between the peat and the underlying material becomes much more distinct and this appears to correspond with a layer of rubble identified during excavation.

Several near surface anomalies have been identified to the SW of the tomb and these probably relate to post-medieval material previously excavated.

In order to draw out more subtle changes and responses within the data, full 3D and mathematical analyses are required. These will be undertaken in due course.

#### 4. Post-excavation and reporting

This report is an interim statement only and it relates primarily to the description of the fieldwork and the recording in 2017 season. It includes only the initial level of interpretation that is possible without further post-excavation work including specialist analyses of the environmental samples, material culture and 3D modelling. More detailed programme of post-excavation work will be laid out in the Post Excavation Design.

#### 5. Public outreach

Once again the excavation was a great opportunity to carry out some organised outreach. The excavation coincided with Islay Archaeology Week organised by Islay Heritage and as part of it Prof. Steven Mithen led three days of guided walks to the site where together Dr Darko Maričević the site was presented to more than sixty visitors. Frequent social media updates were posted during the excavation. The summary of the excavation results have been posted on the Islay Heritage website <a href="http://islayheritage.org/giants-grave-project/">http://islayheritage.org/giants-grave-project/</a>.



Figure 37 Public visit at Giant's Grave with Trench 2 in the background

#### 6. Bibliography

Ashmore, P. (compiled) C14 radiocarbon dating for: Islay, Port Charlotte (Canmore ID 37313, Site Number NR25NW 1; Bute, Glenvoidean (Canmore ID 39897, Site Number NR97SE 2; Arran, Monamore, Meallach's Grave (Canmore ID 40086, Site Number NS02NW 10); in Scottish Radiocarbon Database accessed via http://www.rcahms.gov.uk/canmore.html

Bryce, T. H. 1902. On the cairns of Arran: a record of exploration, with an anatomical description of the human remains discovered', Proceedings of the Society of Antiquaries of Scotland, vol.36: 100-14

Certificate of Service of Notice by the Secretary of state for Scotland under the Ancient Monuments Acts 1977. File Ref SC 27281/1B, Affecting Sloch Measach, Giant's Grave chambered cairn, Nereabolls, Islay. Solicitor to the Secretary of State for Scotland.

Cummings, V. and Robinson, G. 2015. The Life and Times of a Chambered Tomb: The Results of Survey and Excavation at Blasthill Chambered Tomb, Kintyre, Western Scotland. The Archaeological Journal 172.1: 1-29.

Harrington and Pierpoint, P and S (1980) 'Port Charlotte chambered cairn, Islay: an interim note', Glasgow Archaeological Journal 7: 113-15.

Harris, O., Cobb, H., Gray, H. and Richardson, P. 2014. New radiocarbon dates from Cladh Aindreis chambered tomb, Ardnamurchan. PAST 76: 5-6.

Henshall, A. 1972 The Chambered cairns of Scotland. Vol. 2, Edinburgh: Edinburgh University Press.

McCullagh, R. 1989. Excavations at Newton, Islay. Glasgow Archaeological Journal 15: 23-51.

Maričević, D. and Mithen, S.J. 2016a. An Archaeological Excavation and Survey of Slochd Measach (Giant's Grave), Isle of Islay: Project Design for 2016/17 fieldwork. Unpublished document submitted to HES.

Maričević, D. and Mithen, S.J. 2016b. Slochd Measach – Giant's Grave (The Islay Prehistory Project): Excavation, geophysical survey and photogrammetry. Discovery and Excavation in Scotland 17.

Mithen, S.J. (ed.) 2000. Hunter-Gatherer Landscape Archaeology: The Southern Hebrides Mesolithic Project 1988-1998. Volume 1 and 2. Cambridge: The McDonald Institute for Archaeological Research. 296 pp. ISBN 1-902937-11-2.

Mithen, S.J. and Maričević, D. 2015a. Slochd Measach, Giant's Grave, Nereabolls, Islay - 2015 Interim Report - Archaeological investigation through test-pitting and geophysical survey. University of Reading.

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Mithen S.J. and Maričević, D. 2015b. An Archaeological Survey of Slochd Measach (the Giant's Grave), Isle of Islay: Project Design. Unpublished document submitted to HES.

Newall, F. and Newall, H. E. 1961. 'The Giant's Grave', Discovery and Excavation in Scotland 1961: 18.

Noble, G. 2006. Neolithic Scotland: Timber, stone, earth and fire. Edinbirgh: Edinburgh University Press.

RCAHMS 1984. Argyll: An Inventory of the Monuments. Volume 5: Islay, Jura, Colonsay and Oronsay. Edinburgh: HMSO Press.

Schulting, R.J., Richards, M.P., 2002. The wet, wild and the domesticated: the Mesolithic-Neolithic transition on the west coast of Scotland. Journal of European Archaeology 5, 147-189.

Wicks, K., Pirie, A.E. & Mithen, S.J. 2014. Settlement patterns in the Late Mesolithic of western Scotland: The implications of Bayesian analysis of radiocarbon dates and inter-site technological comparisons. Journal of Archaeological Science 41, 406-422.

### Appendix 1 – Environmental sample register

Scans of the environmental sample registers

Do trainer

Sa	mple no	Context no	Sample Type	Initials/Date
	00	1010	BULIC SAMPLE	Nº 29/8/16
1	01	1007	MATERIAL BETWEEN STONES (1007)	TL/NP 19/8
1	02	1003	BULK SAMPLE	TL 29/8
1	103	3003	BULK STAMPLE	HT 2918
10	94	1007	SPOT SAMPLE. CHARCOAL	Nº 29/8/16
1	05	1007	SPOT SAMPLE - CHARCOAL	NP M
1	06	1004	BULK SAMPLE	Nº 89/8/16
1	07	1010	Spot Sample - Charcoal	CL 29/08/16
1	08	1010	Spot Sample - Charool	CL 29/08/16
1	oq	1011	BULK SAMPLE.	Nº 30/8/16
11	0	1011	SPOT Shuple ORGANIC CONS	NP 30/8/16
lı	N	1009	BULK SAMPLE DES. C1	Dm 3/8/16
1	12	1011	302 BULK SAMPLE	TL 30/8
1	13	3005	SPOT CHARLOTH SAMPLE	om 11
1	14	(3005)	RULK AMPLE TR3.	Lup -in-
1	15	3005	SPOT CHARCOM SMPLE	bon -11-
1	16 ?	lou	CRAPEORE SPOT SAMPLE	Nº
1	17	lott	Charcoal Spot Sample	12 11 10
11	8	1011	SULK SAMPLE AGAINST ORTOSTAT	N° II II
11	9	(3007)	BULK SAMPLE.	Lev
12	20	(1009)	Spot sample - charcoal ( pagged)	SL Gates 30.8
1	21	(1009	Spot sample - charcoal between stores	S.L. Gites 30.8
1	22	(3007)	Spot sample - charcoal	Lely 30.8
1	23	(1012)	BULK - BURISOSON	Nº 31/8/16
i	24	(1014)	CI4 - CHARCOM SPOT SAMPLE	in cr
1	25	(1013)	Buch simple	CI. 31/08/16
	26	(1013)	Charsol Soc Jamese	CL SI OS ME
1	27	(1014)	Charson por jamper BUNK SIMPUS	DM -11-
	28	(1012)	Buck SAMOLE	The use
l	29	(1012)	CHARCOM SPOT STONPUS	Nº 1. 1.
Λ	30	(1014)	SPET CHARCOM	pm_u.
1	139	(1003)	SPOT CHARCOM ( dinarg)	u
	132	614	Stor Cripcon	ti
1	33	(101 5)	Riksong'e (unautit	T.L. 11 11
1	34	(1014)	Buch Sample	DM "111
1	35	(1016)	Bulksample & Small cut	1.6-11
	36	(1018)	Balk sample of small cut	L.G. 11 8

		50	<u>16/17</u>	150 1/1	
	Sample no	Context no	Sample Type	Initials/Date	
-	127	10/020		(.(T. 1)	
	138	1012	Interface between 1012 and 1015	6.6.11	
X	139	1014	BASE of CL	Bry -u-	
-,	140	1014	FROM UNDER SBORTHOSTAY	0M - 4-	8
X	141	1012	Spot sample e hatcoal	L.b. 11	
	142	1013	BULKUNDER S.S	T.L.	
1/3 20	143	1013	SPOTTAMPLE GRATICOAL	RF	
X	144	Kor 3008	SPOTT SAMPLE CHARLOAL	4 Dm	
1	145	3008	BUNE SMENE U/L 3006	pm 01 03/16	· · · · ·
X	146	3008	Chenoul spotsample.	RF. / DM	
X	147	3008	spil sande charcoal	KF/DM	
X	148	3008	Spot sample charcal	RF/DM RF/DM	
X	149 3	3004	POSSIBLE CHARGOM	Dry 28/1	116
017	150	4003	Chrecom Stor Small	DM 05/08/17	1.0
2017	151	4003	BACK SAMPLE 1 BAG	-11-	
	152	4002	-11-	-11-	· · ·
V	153	1025	Burk sample 98,468		1
	154	5002	Charleson Stat small	pm 07 108/17	
	155	5002	Sinc SAMPLE 4BARS		
-	156	5002	chriceon stor shurfit	=11-	
	157	4001/	BULK SAMPLE & BARS	07-08-17	
	158	5002/	CHAREOM SPOT SAMPLE	-u - bm	
A REAL	159	-4	_ 11 -	-4-	
	160	5002		FI 80 80 Mg	
0	161	5002	CHAREOTA SPOT SMAPLE		~
	162	2002	WET SIEVING	-11-	
	163	and the second se			
7	164	1028	GBA for silt between rubble	SLG 9. 8.17 Aafe 12-8-17	
	165	(4007)	GBA feat between rubble	Hoye 12-8-17 Emma 12.8.17	
	166	5002	Michomoephonery wirsting		
	167	4007	Soil under pot 22		
	168	(1029)	Soil around pottery in Tr 2:24.	SLG 13. 8. 17 SLG /Rochel 13.8.	
	1'69	(4002)	SOIL AROUND POT (F)	J.O. 13-18.17	
-	170				
	171	(1029)	BULL SPORT (4 BARS) CHARCAL SPOT SDANPLE AGAINST NE BOD OF STONE # 33	130817	
	172	4009	O-BA OF SOIL (RUSTIC (4RB)	TL 148/17	
	173	(1031)		JU 14/08/17 829 15-8-17	4
L. A.		(1001)	Mineer gran model 4071	July 12-8-14	A CAR
					14
			2		
	the second of th	Ser. 13	And the second se		Autor /

			17
Sample no	Context no	Sample Type	Initials/Date
174	(1029)	Bulk Sample (4 bags)	RH15.8.17
175	(4010)	BULK SAMPLE (2 BAGS).	C.K. 15/8/17
176	(4009)	SPOT - CHARCOAL	J.0 15/8/17
177	(4008)	POSSIBLE CER MATERIAL	Por -u-
178	(1032)	Green deposit under (1031) GBATE	
178	(4014)	Stot CHAREOM	DM -11-
180	(40(4)	Spot Charcoal	CB-11-
181	(4011).	SAMPLE OF FILL AROUND SF 25 (POT	J.O. 15/08/17
182	(4011).	CHARCOAL UNDER SE 25 (POT	5.0.15108117
183	(4015)	(ROTTCHARCIALRICH) GBA	5.0 16/05/17
184	1033	CHALWAL SPOT SAMPLE	TL 16/8/13
185	(4014)	Bulksample 4bogs	CB 16/8117
186	(4015)	Spa sample - charcoal	JA 16/8/17
187	(1033)	CHARCOAL SPOT SAMPLE	MEV-16/8/17
1882	148350	and a the stand	the second second
188	(1034)	GBA under + around store 24	EW 16/8/17
189	(1928)	Charcoal spot sample 12	EW 16/8/7
190	(1033)	BULK ABA SAMPLE IN SONDAGE	TL 17/8/17
(41	(4014)	Bulk Sample 4 Bags	CB +2/8112
192	[4005]_	BELOW 4005 KERE STORES	50 17/08/17
193	(40165	Bulk sumple EAST SLITHER' STORE 36.	Chloe 17- 8-17
1924	(1033)	call column says le in soulage s	Sam H. 19/5/17
195	(1033)	Column some in sources in Column some in sources in Column some in sources in South Jacuns section	Sau H 17/8/17
+96	(4016).	BUTK SAMPLE WEST SLITHER 36	C.K. 17/9/17 VOI
			fixe and
		A CALL STORE	
		and the second second	
		ALL ALLY	the state of the s
	1.1.1		
1. N. M.	12 1 ST		A 100
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ing a star	ALL SAL		
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	Contraction of the second		

#### Environmental processing register

Site	Cont ext no.	Environ mental sample no.	No. Bags	Wet Sieved Date	Heavy Residu e Date	Volu me (L)	Flot Scan	Heavy Residue Contents
GG 16	1010	100	3	03/08/ 2017	06/08/ 2017	22	Mod ern orga nic rem ains from peat.	Charcoal, Quartz
GG 16	1007	101	3	02/08/ 2017	07/08/ 2017	20	Mod ern orga nic rem ains from peat.	Seeds/Organic,Charcoal, Quartz,Unidentified
GG 16	1003	102	3	02/08/ 2017	06/08/ 2017	20	Mod ern orga nic rem ains from peat.	Seeds/Organics, Quartz,Charcoal
GG 16	3003	104	2	05/08/ 2017	07/08/ 2017	12	Mod ern orga nic rem ains from peat.	Quartz, Charcoal
GG 16	1003	104	1	02/08/ 2017	07/08/ 2017	8	Mod ern orga nic rem ains from peat.	Quartz, Charcoal
GG 16	1004	106	3	02/08/ 2017	07/08/ 2017	18	Mod ern orga nic	Seeds/Organics,Charcoal,Q uartz,

				1		1		I
							rem	
							ains	
							from	
							peat.	
GG	1011	109	1	03/08/	07/08/	10	Mod	Quartz
16				2017	2017		ern	
							orga	
							nic	
							rem	
							ains	
							from	
							peat.	
GG	1011	110	1	03/08/	06/08/	6	Char	Charcoal, Quartz
16	1011	110	-	2017	2017	U	coal	
	1000	111	2			12		Chargeal Quartz
GG	1009	111	2	02/08/	07/08/	13	Mod	Charcoal, Quartz
16				2017	2017		ern	
							orga	
							nic	
							rem	
							ains	
							from	
							peat.	
GG	1011	112	3	03/08/	07/08/	25	Mod	Charcoal,Quartz
16				2017	2017		ern	
							orga	
							nic	
							rem	
							ains	
							from	
							peat.	
GG	3005	114	Missi				pear	
16	3003		ng					
GG	1011	116	1	03/08/	06/08/	10	Char	Charcoal, Quartz
	1011	110	1	2017	2017	10		
16	1011	110	3			22	coal	Soods/Organies Chargool O
GG	1011	118	5	03/08/	07/08/	22	Mod	Seeds/Organics,Charcoal,Q
16				2017	2017		ern	uartz
							orga	
							nic	
							rem	
							ains	
							from	
							peat.	
GG	3007	119	2	05/08/	07/08/	20	Mod	Charcoal,Quartz,Unide
16				2017	2017		ern	ntified
							orga	
							nic	
							rem	
							ains	
							from	
1							peat.	
L		1	I			1	ρται.	

GG 16	1009	121	1	02/08/ 2017	06/08/ 2017	5	Mod ern orga nic rem ains from peat.	Charcoal, Quartz
GG 16	1012	123	3	03/08/ 2017	07/08/ 2017	18	Mod ern orga nic rem ains from peat.	Charcoal,Quartz,Rounded Stone
GG 16	1013	125	2	Aug- 17	07/08/ 2017	12	Mod ern orga nic rem ains from peat.	Charcoal,Quartz
GG 16	1014	127	3	05/09/ 2017	07/08/ 2017	14	Mod ern orga nic rem ains from peat.	Charcoal, Quartz, Rounded Stone
GG 16	1012	128	3	03/08/ 2017	07- Aug	14	Mod ern orga nic rem ains from peat.	Quartz Cobble,Quartz
GG 16	1015	133	1	05/08/ 2017	07/08/ 2017	4	Mod ern orga nic rem ains from peat.	Quartz,Rounded Stone
GG 16	1014	134	3	05/08/ 2017	07/08/ 2017	16	Mod ern orga	Charcoal,Quartz,Rounded Stone

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							nic		
							rem		
							ains		
							from		
GG	1016	135	1	05/08/	07/00/	5	peat.	Quartz	
16	1010	122	Т	2017	07/08/ 2017	5	Mod	Quartz	
10				2017	2017		ern		
							orga nic		
							rem		
							ains		
							from		
							peat.		
GG	1018	136	1	05/08/	07/08/	4	Mod	Charcoal,Quartz	
16	1010	100	-	2017	2017	•	ern		
10				2017	2017		orga		
							nic		
							rem		
							ains		
							from		
							peat.		
GG	1020	137	1	05/08/	07/08/	6	Mod	Quartz	
16				2017	2017		ern		
							orga		
							nic		
							rem		
							ains		
							from		
							peat.		
GG	Inter	138	4	03/08/	07/08/	25	Mod	Quartz	
16	face			2017	2017		ern		
	betw						orga		
	een						nic		
	1012						rem		
	-						ains		
	1015						from		
			_				peat.		
GG	1014	139	5	05/06/	07/08/	32	Mod	Charcoal,Quartz	
16				2017	2017		ern		
							orga		
							nic		
							rem		
							ains		
							from		
66	1014	140	1		06/00/	7	peat.	Quartz	
GG	1014	140	1	05/08/	06/08/	/	Mod	Quartz	
16				2017	2017		ern		
							orga		
							nic rem		
							ains		

			1		1	1	<b>C</b>			<b></b>
							from peat.			
GG	1013	142	2	05/08/	07-	12	Mod	Charcoal,Quartz,Rounde	Ч	
16	1012	142	2	2017	Aug	12	ern	Stone	u	
10				2017	Aug		orga	Stone		i I
							nic			i I
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							from			İ İ
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GG	3008	145	2	05/08/	07/08/	13	peat. Mod	Seeds/Organic,Quartz		
16	5008	145	2	2017	2017	15	ern	Seeus/Organic,Quartz		
10				2017	2017					i I
							orga nic			
										i I
							rem			i I
							ains			İ İ
							from			İ İ
	4000	450		44/00/	42/07/		peat.			
GG	4003	150	1	11/08/	12/07/	4	Mod	Charcoal		İ İ
17				2017	2017		ern			i I
							orga			i I
							nic			i I
							rem			i I
							ains			i I
							from			i I
							peat.			İ
GG	4002	152	2	11/08/	12/07/	7	Mod	Ceramic,Seeds/Organic,E	Bone	2,Q
17				2017	2017		ern	uartz,Unidentified		
							orga			
							nic			
							rem			
							ains			
							from			
							peat.			
GG	1025	153	4	11/08/	12/07/	19	Mod	Charcoal,Quartz		i I
17				2017	2017		ern			
							orga			
							nic			
							rem			
							ains			
							from			
							peat.			
GG	5002	155	4	11/08/	12/07/	20	Mod	Charcoal,Bone,Quartz		
17				2017	2017		ern			
							orga			
							nic			
							rem			
							ains			
1		1	1	1	1	1				1
							from			

GG 17	4001	157	4	11/08/ 2017	12/07/ 2017	25	Mod ern orga nic rem ains from	Quartz
GG 17	5002	160	4	12/08/ 2017	12-Jul	25	peat. Mod ern orga nic rem ains from peat.	Ceramic,Charcoal,Quartz,Sl ate
GG 17	1026	163	4	12/08/ 2017	12/07/ 2017	25	Mod ern orga nic rem ains from peat.	Quartz
GG 17	1028	164	4	14/08/ 2017	14/08/ 2017	20	Mod ern orga nic rem ains from peat.	Seeds/Organics,Quartz
GG 17	4007	165	4	14/08/ 2017	14/08/ 2017	19	Mod ern orga nic rem ains from peat.	Ceramic,Seeds/Organic,Bo ne,Quartz
GG 17	4007	167	1	14/08/ 2017	14/08/ 2017	2	Mod ern orga nic rem ains from peat.	Ceramic,Seeds/Organic,Charco al,Bone,Quartz
GG 17	1029	168	2	14/08/ 2017	14/08/ 2017	6	Mod ern orga	Ceramic,Seeds/Organics,Q uartz

GG 174002169114/08/ 14/08/ 201716/08/ 20172Mod ern orga nic rem ains from peat.Ceramic,Seeds/Organics,Charc oal,Quartz,BoneGG 174002169114/08/ 201716/08/ 20172Mod ern orga nic rem ains from peat.Ceramic,Seeds/Organics,Charc oal,Quartz,BoneGG 174006170414/08/ 201716/08/ 201725Mod ern orga nic rem ains from peat.GG 174009172416/08/ 201725Mod ern orga nic rem ains from peat.GG 174009172416/08/ 201717Mod ern orga nic rem ains from peat.
GG 174002 HOM169 L114/08/ LO1716/08/ LO172Mod Peat.Ceramic,Seeds/Organics,Charc oal,Quartz,BoneGG 174002 HOM169 LO17114/08/ LO1720172017 LO17Mod Peat.Ceramic,Seeds/Organics,Charc oal,Quartz,BoneGG 174006 HOM170 LO17414/08/ LO1716/08/ LO1725 LO17Mod Peat.Seeds/Organics,Quartz,Ro unded StoneGG 174009 HOM1724 LO1716/08/ LO1716/08/ LO1717 HOM HOM16/08/ Peat.17 HOM Peat.Seeds/Organics,Quartz,Ro unded StoneIGG 174009 HOM1724 HOM LO1716/08/ LO1717 HOM HOM LO1717 HOM HOM HOM HOM16/08/ HOM HOM HOM17 HOM HOM HOM HOM HOM16/08/ HOM HOM HOM HOM16/08/ HOM HOM HOM17 HOM HOM HOM HOM16/08/ HOM HOM HOM17 HOM HOM HOM HOM16/08/ HOM HOM HOM17 HOM HOM HOM HOM16/08/ HOM HOM HOM17 HOM HOM HOM HOM17 HOM HOM HOM HOM17 HOM HOM HOM HOM HOM17 HOM HOM HOM HOM16/08/ HOM HOM HOM17 HOM HOM HOM HOM HOM HOM17 HOM HOM HOM HOM HOM HOM HOM HOM17 HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM HOM 
Image: second
Image: constraint of the sector of the sec
GG4002169114/08/ 201716/08/ 20172Mod ern orga nic rem ains from peat.Ceramic,Seeds/Organics,Charc oal,Quartz,BoneGG4006170414/08/ 201716/08/ 201725Mod ern orga nic rem ains from orga nic rem ains from peat.Seeds/Organics,Quartz,Ro unded StoneGG4006170414/08/ 201716/08/ 201725Mod ern orga nic rem ains from peat.GG4009172416/08/ 20171717Mod ern orga nic rem ains from peat.GG4009172416/08/ 201717Mod ern orgaSeeds/Organics,Quartz ern orga
1717201720172017ern orga nic rem ains from peat.oal,Quartz,BoneGG4006170414/08/ 201716/08/ 201725Mod ern orga nic rem ains from peat.Seeds/Organics,Quartz,Ro unded StoneGG4006170414/08/ 201716/08/ 201725Mod ern orga nic rem ains from peat.Seeds/Organics,Quartz,Ro unded StoneGG4009172416/08/ 201716/08/ 201717Mod ern orga nic rem ains from peat.Seeds/Organics,Quartz ern orga
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GG 174006 170170 4414/08/ 201716/08/ 201725 2017Mod ern orga nic rem ains from peat.Seeds/Organics,Quartz,Ro unded StoneIGG 174006 170170 4416/08/ 201725 2017Mod ern orga nic rem ains from peat.Seeds/Organics,Quartz,Ro unded StoneIGG 174009 17216/08/ 201716/08/ 201717 201717 ern orgaMod ers ern orga
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GG 174006170414/08/ 201716/08/ 201725Mod ern orga nic rem ains from peat.Seeds/Organics,Quartz,Ro unded StoneImage: Comparison of the compari
Image: constraint of the second sec
GG         4006         170         4         14/08/ 2017         16/08/ 2017         25         Mod ern orga nic rem ains from peat.         Seeds/Organics,Quartz,Ro unded Stone           GG         4009         172         4         16/08/ 2017         16/08/ 2017         17         Mod ern ains from peat.         Seeds/Organics,Quartz,Ro unded Stone           GG         4009         172         4         16/08/ 2017         16/08/ 2017         17         Mod ern orga         Seeds/Organics,Quartz
17201720172017ern orga nic rem ains from peat.unded Stone6G4009172416/08/ 201716/08/ 201717Mod ern orga76G4009172416/08/ 201717Mod ern orgaSeeds/Organics,Quartz ern orga
GG 174009 172172 17416/08/ 201717 201717 16/08/ 17Mod ern orgaSeeds/Organics,Quartz ern orgaI
GG 174009 4009172416/08/ 20171717Mod ern orgaSeeds/Organics,Quartz ern orga6
GG 174009 172172 17416/08/ 2017177 2017177 17Mod ern orgaSeeds/Organics,Quartz ern orgaI
GG 174009 -16/08/ -16/08/ 201717 2017Mod - ern orgaSeeds/Organics,Quartz ern orga
GG4009172416/08/16/08/17Mod ern Seeds/Organics,Quartz ern Image: Comparison of the second sec
GG         4009         172         4         16/08/ 2017         17         Mod ern orga         Seeds/Organics,Quartz         I
GG         4009         172         4         16/08/ 2017         17         Mod ern orga         Seeds/Organics,Quartz
17 2017 2017 ern orga
nic nic
rem
ains
from
peat.
GG         1031         173         4         16/08/         17/08/         17         Mod         Charcoal,Quartz
17 2017 2017 ern
orga
nic
rem
ains
from
GG         1029         174         4         16/08/         17/08/         18         Mod         Quartz
nic
rem
ains
from
from peat.
GG         4010         175         2         16/08/         17/08/         10         Mod         Ceramic,Charcoal,Quar
GG4010175216/08/17/08/10ModCeramic,Charcoal,Quar1720172017-erntz
GG         4010         175         2         16/08/         17/08/         10         Mod         Ceramic,Charcoal,Quar
GG4010175216/08/ 201717/08/ 201710Mod ern orgaCeramic,Charcoal,Quar tzI

							<b>C</b>		
							from		
				1.0 /00 /	1.5 /00 /		peat.		
GG	4008	177	1	16/08/	16/08/	0.25	Very	No finds	
17			Spilla	2017	2017		little		
			ge on				flot		
			trans				mate		
			port				rial		
			or						
			sent						
			unfill						
			ed??						
GG	1032	178	3	17/08/	17/08/	12	Mod	Ceramic,Quartz,Flint	
17				2017	2017		ern		
							orga		
							nic		
							rem		
							ains		
							from		
							peat.		
GG	4011	181	1	17/08/	17/08/	3	Mod	Ceramic,Charcoal,Quar	_
17	7011	101		2017	2017	5	ern	tz	
1/				2017	2017			12	
							orga		
							nic		
							rem		
							ains		
							from		
	4040	4.00	-	47/00/	47/00/		peat.		
GG	4013	183	2	17/08/	17/08/	8	Mod	Ceramic,Seeds/Organics,Q	
17				2017	2017		ern	uartz	
							orga		
							nic		
							rem		
							ains		
							from		
							peat.		
GG	4014	185	4	17/08/	17/08/	25	Mod	Charcoal,Quartz	
17				2017	2017		ern		
							orga		
							nic		
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GG	1034	188	4	17/08/	17/08/	16	Mod	Charcoal,Quartz	
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GG	1033	190	4	18/08/	Not	25	Mod	Not Sorted	
17	1033	190	4	2017	Sorted	25	ern	Not Solled	
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GG	4014	191	4	18/08/	Not	14	Mod	Not Sorted	
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GG	4005	192	1	18/08/	Not	3	Mod	Not Sorted	
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GG	4016	193	1	18/08/	Not	4	Mod	Not Sorted	
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# Appendix 2 – Small Find register

SF no	Context no	SF Type	Initials/Date
1	3000	QUARTZ POINT / KNIFE	DM
2	1004	Quartz Blade	NP
2 3	1002	Quartz Blade	SS CAPIK
4	1005	Mirature Bottle	516 25.8.16
5	1003	Possible Quartz blade	LWG 2518116
6	1009	SMALL QUARTZ BLADE	TL 26/8
7	1003	FUNT AND? (tool)	0M 28/08
8	1010	Quarter Made (retouched)	TL 29/08
9	1012	QUARTZ BLADE	Nº 31/05/16
(0	1012	QUARTZ CORE	TL ICH
11	1014	arder 2 france	DM -11-
12	1012	OLART BLADE	Sr II
-13	1012	Navou Quartellade	16- 11
14	1010	POSSIBLE RUBUT (LAY	DM 1/9/16
15	5002	FUNT APROWHITAD	BM 08/08/17
- 16	1025	Quartz possible point	SLG 8.8.17
17	(4002)?	POT	J. 0 09.08.17
18	1024	porteneve sunch (Fe?)	DM 03/08/17
19			MV 11/08/17
20	(4006)	POT SHEED	J.O 11/08/17
21	4006	FUNT FLONKE	CHERS 12/08/6
22	(4007)	- Pet shert	g.0 13.8.17
23	(4007)	Iron / organic concretion	J.O 13.8.17
24	(1029)	POT (WHELE VESSEL BASE)	RH13.8-17
25	(4011)	POT	J.0 15.08.1
26	(4014)	FUNT PURSUE	chiers -4-
27	(4015)	POT	J.O. 16-08.1
		And the second second	the state
1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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			all the second second
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			and the second second
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		14	. e
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Риот	O REGISTER		D	greal
Context Frame	Description	Scale		Jato
T12(1024) 0089 (	Partin rubble in Trench	2 2m	SSW	3.8.17
0092	11-11	211	WSW	3.8.17
do 0096	1 3			
0097 to	*	.2M	N	3.8.17
0094	11	21	ESE	3.8-17
10 0103	(4) [2:10			6
7,4 ( 4001 ) 0104 to	Caun-Rubble trench	~4 2m	ESE	3.5.17
0107 0108 to 0109		21	N	3.8.17
	t	2 r	y hur	38.17
		21	n S	3.8-17
Tr 2 1025 0400- 0403	"	ubble 2. 2m	11	5.8.17
1/2 0400 0407 1 0410	6 Jala	y w ( BOARD) wo / BOARD w) BOARD	1 S.	5/8/17
		" w/o BOARD	Nia Ia	

## Appendix 3 – Photographic registers

Context	DESCRIPTION	Scale	DIRECTION	DATE
(1024)	Caim Rubble trench 20120 (poll=) 1 +	2m	SSW	3.8.17
	N: 0127 0128	2 m	WSW	3.5.17
	ALL WITH POLE to		2.1	
	0132	2m	$\sim$	38.17
1	to 0137 0138	- 2m		0 k 4
	to 0142		1 Stiff	
Tr 2	0143 - 0320 0321 - 0375	2m	AN BY ESE	1.
TRENCH 24	PHOTOGRATUBICTRY 0376 - 0378 0379 - 0382 0383 - 0388 0389 - 0395	2M 2M 2M 2M	S 37	
REDICHES ERT 64	0396- 0397 64 Probe 13 0398- " 0399	Human 1,	s N	3 8 17
ERT 64 Probe	ERT 64 Prode 0084 - L2 D=30 0085 11 0086 - 0087	Human	S N	3.8.17
				1

FRAME		DESCRIPTION	SCALE		NITA
Sample no	Context no	Sample Type		Initials/Date	
3411		GET LS BE W BOTHER	1	5	Mis
0412	-	11 11 W/O BOARD	-	5	nues 518
0413	/	GET LE W BOARD		N	ч
0414	/	u a Wlo BARD	1	N.	n
0415	_	GET LG W BOARD	-	N	
0416	-	11 1 W/O ROARD		N	
0417	/	FET LE W BOARD	-	2	
0418	/	IL IL WOBATO		S	V
4482	/	BRTLZ WROARD	-	S	
443	/	W/O. BOARD		S	
444	1	GET IF W BOTHED	1	2	
445	1	W/O BAARD	-	N	V
453-55	(5001)	Tr.5	2m	NW	SLG S-8
4545-463	14001	Tr 4 Cist structur + POT	In tion	S	829 5-8
暇577-	1	ERTL 9 W BOTHED		S	Mas
518		W/O BOARD	1	5	1
519		EETL9 W BOTHED	-	2	
520		W/O SOMED		N	V
523-527	(1025)	Half sectioned for ton	1 m + 2m	W	Shq 7.8
529	1	BET LIO WBOKEP		N	7/8
530		W/O BOXED	1	N	710
531	/	ERT LIO W BOARD	1	S	
532	/	W/O BOARED	/	S	U.
527	/	Fet LII W BOMEN	1	S	
534		W/o Bortes	1	5	
535		GETUN WEARED	1	N	
536	/	WO BARD	1	N	U.
540 - 542	(3002)	(502) Silt rubble (5001)	2m	N	SLG 7,
543	/	GET LIZ W BOARD	1	N	218
544	/	W/O CORED		N	
546		GET U2 W BOMES		S	1
547	Section 1	WIO BOARD		S	V
548		GET LIS W BOARD		NSIAS	1:00
549		WO BOARD		R S S	
550		GET LIS W BOACD		AN 'N	
331 652		w/o BAR		BKI N	V
652		CET U4 W BOARD	1/	1 m	8/8
			1	1. A	013

SETOContext noSETypeSALEInitiats/activeSSACET $(4400)$ EmpoNNMMSSSCET $(4400)$ EmpoNNMMSSSCET $(1440)$ EmpoNNMMSSSCer SubsueTHSNUSG6-St640014 + 4005Cer shutsueTHSNUSG6-St640014 + 4005Cer shutsueTHSNUSG0Cer (LIS G) EnderSNUNU7S0Cer (LIS G) EnderSNU7S1Cer (LIS G) EnderSNU7S2Cer (LIS G) EnderNNU7S3Cer (LIS G) EnderNNU7S4So0 2 + So03TC SFnal Suds?N7S5G63"PhilogrammetryNNU856VEF (LIG G) EmeoNN871NNUSSN8856VEF (LIG G) EmeoNN871NNUNN8876VEF (LIG G) EmeoNN8876VEF (LIG G) EmeoNN8910Cert (LIG G) EmeoNNN8910Cert (LIG G) EmeoNNN8911NoNNNN9212100NoNNN9214Cert (LIG G) EmeoNNN9219NoNNNN9219No <td< th=""><th>FRAME</th><th></th><th>DESCRIPTION</th><th></th><th>PIRECTION</th><th>INT -</th></td<>	FRAME		DESCRIPTION		PIRECTION	INT -
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				100		-
$ \begin{array}{c} 566-576 & 4004 + 4005 \\ 577-698 & " & Phologrammedian \\ 750 \\ 751 \\ 750 \\ 751 \\ 752 \\ 751 \\ 752 \\ 751 \\ 752 \\ 75$		1				Contraction of the second
S77-698       "       Photogrammedian       "       All       #         750       Gert L 15 W/ BOXED       S       MUD         752       Gert L 15 W/ BOXED       S       MUD         752       Gert L 15 W/ BOXED       S       MUD         752       Gert L 15 W/ BOXED       N       MUD         753       Gert L 15 W/ BOXED       N       MUD         755       Grad Side?       2n + 0.5m       MUD         755       Grad Side?       2n + 0.5m       MUD         755       Grad Side?       2n + 0.5m       MUD         755       Frad Side?       2n + 0.5m       MUD         757       Photogrammeding       "       Au       MUD         757       Photogrammeding       "       Au       MUD         757       Photogrammeding       "       Au       MUD         758       Gert L 16 W/ Granes       S       N       MUD         757       Photogrammeding       "       Au       MUD         757       Photogrammeding       S       N       MUD         757       Photogrammeding       N       MUD       S       N         758       Ph					-	1
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732       CET US W SARD       N       MU         TS3       CET US W 65040       N       MU         0775-0784       5002 + 5003       TT5 Prod stubs?       2n + 0.5m stub       824         0785-0863       "       Pharmanetry       "       Au       813         888       EET US W 60000       N       N       N       113         888       EET US W 60000       N       N       N       113         888       EET US W 60000       N       N       N       113         887       EET US W 60000       N       N       N       113         887       EET US W 60000       N       N       N       113         880       EET US W 60000       N       N       N       114         881       EET US W 60000       N       N       N       114         910-1902       EET US Softes       N       N       N       N         92/944       GET US Softes       N       N       N       N         921-942       Koet Lit       N       N       N       N       N         921-943       Koet Lit       Risters       N       N       N       N	1					And the second second
LS3       CET (15 W/0 5000)       ML         0775-0784       500 2 + 5003       TT5 Find stas?       2m + 0.5m       ML         0285-0863       "       Photogrammetry       "       Addition         0285       0863       ET (16 W/000000000000000000000000000000000000				1	S	No
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910 - 916       Hooly 1 +/17       Cist + pot       Social S       Skq         916 - 920       40051 (4006)       Cist + capstone       Board S       11         921 - 923       11       11       11       11       11       11         921 - 923       11       11       11       11       11       11       11       11         926 - 9040       Treach thoos, voit       Phologrammetry       Tr 4       2m       Aus       11         10 41 - 1042       Cert U.9       Board 20       S       11         10 41 - 1042       Cert U.9       NO ROMES       S       11         10 41 - 1042       Cert U.9       NO ROMES       S       11         10 41 - 1042       Cert U.9       NO ROMES       No       No         10 41 - 1042       Cert U.9       NO ROMES       No       No         10 647 1045       Get c.20       NO ROMES       No       No         10 647 1047       Get c.20       No Romes       No       No         1050 - 1053       1027)+(1028)       Ruble to left of solare fulle mendik       No       Stage         1054 - 1057       11       S       Stage       No       Stage <t< td=""><td></td><td></td><td>GETLIS BOARN</td><td></td><td>&lt;</td><td>n</td></t<>			GETLIS BOARN		<	n
916 - 920       40005/14[4006]       Cist + capstore       Boum 5       10         921 - 923       """"""""""""""""""""""""""""""""""""		1.12		A. C. C. C. C. C. C. C. C. C. C. C. C. C.	in the second second	5
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1058-1060 " " N" 1222/1323 62T L 21 NO BORED S MLD 1324/1325 ERT L 21 SO BORED N W 1326-1328 (1224) WITH S.30 STOTAS - EVERTICE INDIM, 1x05m SE DM 1329-1330 -UU- 1x005m E U 1329-1330 -UU- 1x005m E U 1329-1335 5003 Find photo of 715 2m N SL9 1326-1419 Tr 5 Photo pranchy 2m All "	1050 - 1053	(1027)+(1028)	Ruble to left of sabare fuller	menolite 2.		822
1322/1323 6ET L 21 Rotes S Nus 1324/1325 EET L 21 Rotes N UN 1324-1328 (1424) WITH S.30 ETOTAS - EURSBIE WILL, 1X05 SE DW 1329-1330 -UVI- 1X0.5m E U 1393-1395 5003 Frad photo of 715 2m N SL9 1396 - 1419 Tr 5 Photo prancing 2m All "	1054-1057	11	11	4 . W.	5	829
1322-1323 627 C21 NO BEARD NUM 1324/1325 ERT L21 BORRED NUM 1326-1328 (1+24) WITH S.30 FROM STORES ENDER 1329-1330 -UU- 1×0.5m E U 1329-1395 5003 Frad photo of 715 2m N SL9 1326 - 1419 Tr 5 Photo prancing 2m All "	No. of Concession, Name	11		11	120.00	ne te .
1326-1328 (1024) with S.30 Etamoustill services lixing 1x05 SE Dr 1329-1320 -uu- 1x00.5m E U A393-1395 5003 Find photo of 715 2m N SLG 1396-1419 Tr 5 Photo grancing 2m All "	1322/1323	P2	BEILLI NO BARD		S	nia
1326-1328 (1024) with S.30 Etamoustill services lixing 1x05 SE Dr 1329-1320 -uu- 1x00.5m E U A393-1395 5003 Find photo of 715 2m N SLG 1396-1419 Tr 5 Photo grancing 2m All "	1000		ERTLEI BORACO	/	N	nu
1323-1330 -uu- 1×0-5m E 4 A393-1395 5003 Final philo & 715 2m N 529 1396-1419 Tr 5 Photo granietry 2m All "	1326-1328	(1024) with 5.30	STOPHS - EUSBLE			DN
N393-1395 5003 Final photo of 715 2m N 549 1396-1419 Tr 5 Photo granietry 2m All "	1329-1330					и
1396 - 1419 Tr 5 Photo granietry 2m All "			Final photo of TrS	1		
	<ul> <li>Alternative</li> </ul>		<i>ψ</i>		All	
1720 - 1725 BUUS 11 5 BUS 10 500	and the second se					4.
	1420 - 1423	0001, 2002, 2003	11 5 ocon 300 D		L	

Giants FRAME	grave 2017	Digitul Photo .	Registe	- and the set of
Sample no	Context no	Descript Sample Typ	e Description	Initials/Date
1425-1428	5007 (5002) 5003	Section 500 B with Wendy	0.5m	849 12.8.17
1539-1540	122 Probe		2m	Mary 11
1541-1542	122 Probe		2m	i, i,
1922-1923		5	2m	и
1924 - 192			1. A. P. M.	1
1927 - 1938	change to	Exposed Prone megalither + (1029)	2m 2m	829 12-8.17
1941 - 1953	6	11	2m	829 12-8.17
	1029	01+ +	2n	SLG 12-8-12
1724 - 1901 2041/2042	10 ~ 1	Photogrammetry L24 WOSMED	Zm	NUS 13/8/1
2044/2045		L24 W Corres		u' u
	(4007)	Post, 22, + concerta 23	0.5m	
2049-2052	1			SLQ 13-8-17
2053-2054	(4007)	& Coar sotion	0.1m	
2055-2058	(4001)	23 mysterious Boses	O.Im	nues 13/8/17
1		LINE 25 WISOMED WNE 25 WISOMED		
2061 2062				h
2066/2067		LINE LO WIO BOARD	25	MKS 13/8/17
2068/2069		LINE CO WIO BOARD		MKS 13/8/17
2072-2076	1028 Phase 2	Slabs on their edges	Im	Shq 13.8-17
2077 - 2078	- No.	KRACTA WIOROARD	Sec. 1.	MKS 13-8-12
2079-2080	11	LINEPI WWG BORED		11
2081-2088	/IF Pot	Pot sitting in 140041	Oilm	869 . 11
20189-2141	AT Por	Photo grammetry a	/	11 11
319 2142 214		Broken pot in-sitter	Oilm	10 11
all start on N	LP2	UNEPL	A MAR	RH 15-8-17
232 23+12-223+15	42	unt p2		RH 15.8.17
2322,2323	LP3 1-	Line P3.		RH 15-8-17
2324,2326	LP3	Line P3		RH 15-8-17
			-	
2570/2571	LP4	LP4 W Boxed WTO Sever		mus 15/19
2572/2573	L194	KP4 will Bones		MUS 15/8/17
2574,875	LPLP			RH-1518/17
2576,2577	LPY	LP4 w Bond		PH 1518/17
2578-2591	23	Potin-situ TrA	o.lm	869 "
1340-2562	TR4	Photogrammetry	Zm	Sha 15-8-14
2327 - 2339	4004 2 4005	TrA smotaus walls	Im	
2712+4	LP6	LPG Wland w/o board	in	MEV 16.8.17
2713+5	LPG	LP6 West and w/o board		MEV 16.8.17

F no FRAME	Context no	Description SF	Type Sco	le Initi	als/Date
254-2943	1033	Photogrammetry (	oughtquick 2.	n Shq	16.8-17
776 -2942	1033	Clay horized	21	n -11	11
772-2775		Cut for pot burial		5m 11	10
760 _ 2764	(1032)	Deposit around base g	1	11 11	10
944	LPZ	Ease facing sho		1 ME	V 17.8.17
945	LPZ	E-shot w/o boa			. 1/ -
946	-11-	W-shot ERT L		1	11.
947	~ , 1 -	W-shot w/o		/ hells	- 11 - 12
948	LP9	E-shoe ERT LP9	1		- 11 -
949	~ 51 ~ .	E-shoe w/o bo	ard 1		1, -
2950	. 11 -	W-ShOE ERT LI			11-2
2951	- 11 -	W-shot w/o boo			_11 -
095	MENT LP8	W-fainy shot of E		/ -	-11~
096	LP8	-11- w/o bo		/	-11-
097	LPS	E-facing shot of			-11-
698	1-18	-11- w/o boa	d	· · ·	-11-
371-3375	4008 + store 35	showing nubble &	Kerb Im	2LG	17.8.17
376 3598	Tr2			- 11	14
222-3366	(1	Photo grammebou	" ~	4	1 " "
- 5	Tr Sedia 2000	Before micromorph s	amples take In +	0.5n 11	10
104-3216		Photogrametry a		n n	U
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Jiant's Grave Digital Photo Register 2017

4		LM#			FRAME
-	Is/Date	(Files	Sample Type	Context no	Sample no
	5/8/17	TL	4 RUBBLE LOOKING NE	4001	FILM#1
-					
-		1000 - 1000 - 1000		V	
-	-		4 RUBBLE LOOKING SW		
-				1.	
-	Y.			V	· · · ·
-			4 RUBBLE LOOKING NW		
+	dr.			1024; 1025	
-	5/8	IL	2 RUBBLE LOOKING SW	1024, 1023	
-					AND AND AND AND AND AND AND AND AND AND
The	al hereby	ing she	And Addad 100 1	V	52
5	Marca Capil	MULL	and show is pray whet bear	1024;1025	TRUBBLE
- 6	1		Manda Man	X	140
2	e		Miller Altran alland		
- Le	1	4	VBBLE HUMP OVER 1021 Totol Band	1025	
-	1	1	N Internet	10	
_			BBLE IN TRENCHS. LOOKING	5001	
_			Looking	4	
4	1	1	h.	×	
-	11	1	ST STRUCTURE, T.4. LOOMING	[4004]	No. No. of Concession
-	4	L		11	/
-	9/8/17	TL	F 17, INSTTU POT, TRENCH 4	40041 ,17	0
-			·	-	¥.
-	k	1	0. V.	5001, 5002, 5003	
_	12/8	TL	5 WEST FACING SEC.	2001 2002 2005	
-			5 sarround		
_	1				
			V , r		
12			5 SOUTH FACING SEC ."		
1					
	1		. V	V	
2	12/8 70	6)	2. FROM SOUTH (BOAKID INCORRE	(1029)	
	11	1	11		
	(A)		2 FROM NORTH	<b>u</b>	5 - C
			TACANE	ti .	1
		1990 (A. 1990) 1990 (A. 1990)	FALLER STOKES	n	
			END		Y

Art		DESCRIPTION	
#mov	Context no	SF/Type	Initials/Date
	16OLBA	FILM ID. SHOT	13/8 TL
2	1028	ANGLED STONES (1028) ADJ. TO (1030) FROM WEST	-
3			
4		STONES (TOLS) FROM NORETH	
3 4 5	V	10	V
6	1033	1D SHOT	16 8
7		N FACING	1
8		- <b>+</b> (	
9		S FACING	
10			
11		W FACING	
12		11	
13	1033	SONDAGE THROUGH (1033) AT E. END	17/8
14		OF STONE #33 . LOONING NORTH	1
15		AND WEST	
16	240 g		
17			
18	Allow All		
19	(1033) 194	MICROMORIA SAMPLE 194 IN-SITU	1710
20	(035) 194 V	BENDATH STONE#33	17/8
21		LENDMA SIGNE # 55	
22			
23			1
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24 25 26			
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31 32 33 34 35 36 37			
37			

## GG17 FILM #2 B/W 35mm

## Appendix 4 – Plan and section register

Section no.	Contexts	Description	Scale	Initials and date
1	1016, 1017	SE-facing section through small feature [1017]	1:10	SLG 31/08/16
2	1018, 1019	SE-facing section through small feature [1019]	1:10	SLG 31/08/16
3	1020, 1021	W-facing section through small feature [1021]	1:10	SLG 31/08/16
4	1001, 1002, 1004, 1007, 1011, 1022	NE-facing section of the Tr1 baulk in the extension adjacent to orthostat S5	1:10	DM 31/08/16
5	3003, 3002, 3004	W-facing elevation of wall 3003 with a section through underlying surface 3002 and rubble deposit 3004	1:10	SLG 31/08/16
500A+B	5000, 5001, 5002, 5003	SE-facing and SW-facing sections of Trench 5	1:10	MV 12/08/17
200	1026, 1029, 1033, 1015	SSE-facing section of baulk in Trench 2	1:10	SLG 17/08/17

Plan no.	Contexts	Description	Scale	Initials and date
100	1000	Stone	1:20	TL/SLG 23/08/16
		platform/paving		
		1000 in Tr.1 and		
		fallen façade		
		stone S32		
102	1004	grey/black peat	1:20	NP 24/08/16
		1004 in the SW		
		corner of TR 1		
103	1006	Rubble spread	1:20	NP 25/08/16
		1006 next to		
		orthostat S6		
104	1008	Rubble infill 1008	1:20	SLG 28/08/16
		of compartment		
		C2		

105	1009	Rubble infill 1009	1:20	SLG 29/08/16
		of compartment		
		C1		
106	1003, 1007, 1010	Multi-context plan of rubble	1:20	NP 29/08/16
		deposits 1003,		
		1007 and 1010		
107	1011	Cairn rubble	1:20	SLG/DM
		1011		29/08/16
		(photogrammetr		
		y sketch plan		
400	4046 4040 4020	with levels)	1.20	
108	1016, 1018, 1020	Pre-ex plan of three small	1:20	NP 31/08/16
		features in the		
		NE corner of Tr. 1		
109	1017, 1019, 1021	Post-ex plan of	1:20	NP 31/08/16
		three half-		
		sectioned small		
		features in the		
110	[4022]	NE corner of Tr. 1		
110	[1023]	Post-ex plan of construction cut	1:20	NP/DM 31/08/16
		[1023] in		
		compartment C1		
200	1025	Plan of rubble	1:20	SLG/SH 05/08/17
		deposit		
201	1024	Plan of rubble	1:50	TL 06/08/17
202	1027	deposit Plan of rubble	1:20	SH 11/08/17
202	1027	deposit	1.20	511 11/00/17
203	1028	Plan of rubble	1:20	AO'R 11/08/17
		deposit		
204	1029	Plan of rubble	1:50	SLG 13/11/17
		deposit		
205	1031	Plan of rubble	1:20	DM
206	1033	deposit Plan of (1033)	1:50 sketch plan	TL 17/08/17
200	1035		with level for	111/00/17
			photogrammetry	
300	3002, 3003	Plan of wall	1:20	DM 28/08/16
		3003 and		
		cobbled surface		
		3002		
		(photogrammetr		
		y sketch plan with levels)		
301	3002, 3004	Plan of rubble	1:20	HLT 29/08/16

302	3002,3005, 3006	Plan of structure	1:20	HLT, LW 30/08/16
		3006 prior to		
		removing		
		longitudinal		
		section in Tr. 3		
303	3003, 3006	Plan of kerb and	1:20	HLT, DM 31/08/16
		cairn 3006 with		
		overlying wall		
		3003		
400	4001	Plan of rubble	Sketch plan with	DM 05/08/17
		deposit	levels for	
			photogrammetry	
401	4002	Plan of fill of cist	1:20	JO, BC 06/08/17
		with SF17		
402	4004	Plan of cist	1:20	JO, BC 06/08/17
		(4004)		
403	4005	Plan of kerb wall	1:20	JO 11/08/17
		(4005)		
404	4006, 4007	Plan of rubble	Sketch plan with	JO, BC 13/11/17
		deposit	levels for	
			photogrammetry	
405	4010, 4013	Plan of stone	1:20	DM
		socket		
406	4012	Plan of niche	1:20	DM
		structure (4012)		
407	4008	Plan of rubble	1:20	SH 17/08/17
		deposit		
500	5001	Plan of rubble	1:20	MV 06/08/17
		deposit		
501	5002	Plan of buried	1:20	MV, AOR 07/08/17
		soil in trench 5		
502	5003	Plan of	1:20	SLG 12/08/17
		excavated		
		Trench 5		