

GUARD ARCHAEOLOGY



Kelburn Windfarm Archaeological Watching Brief Project 3134

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Kelburn Windfarm

Archaeological Watching Brief

On behalf of: Renewable Energy Systems Ltd

NGR: NS 250 545

Project Number: 3134

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

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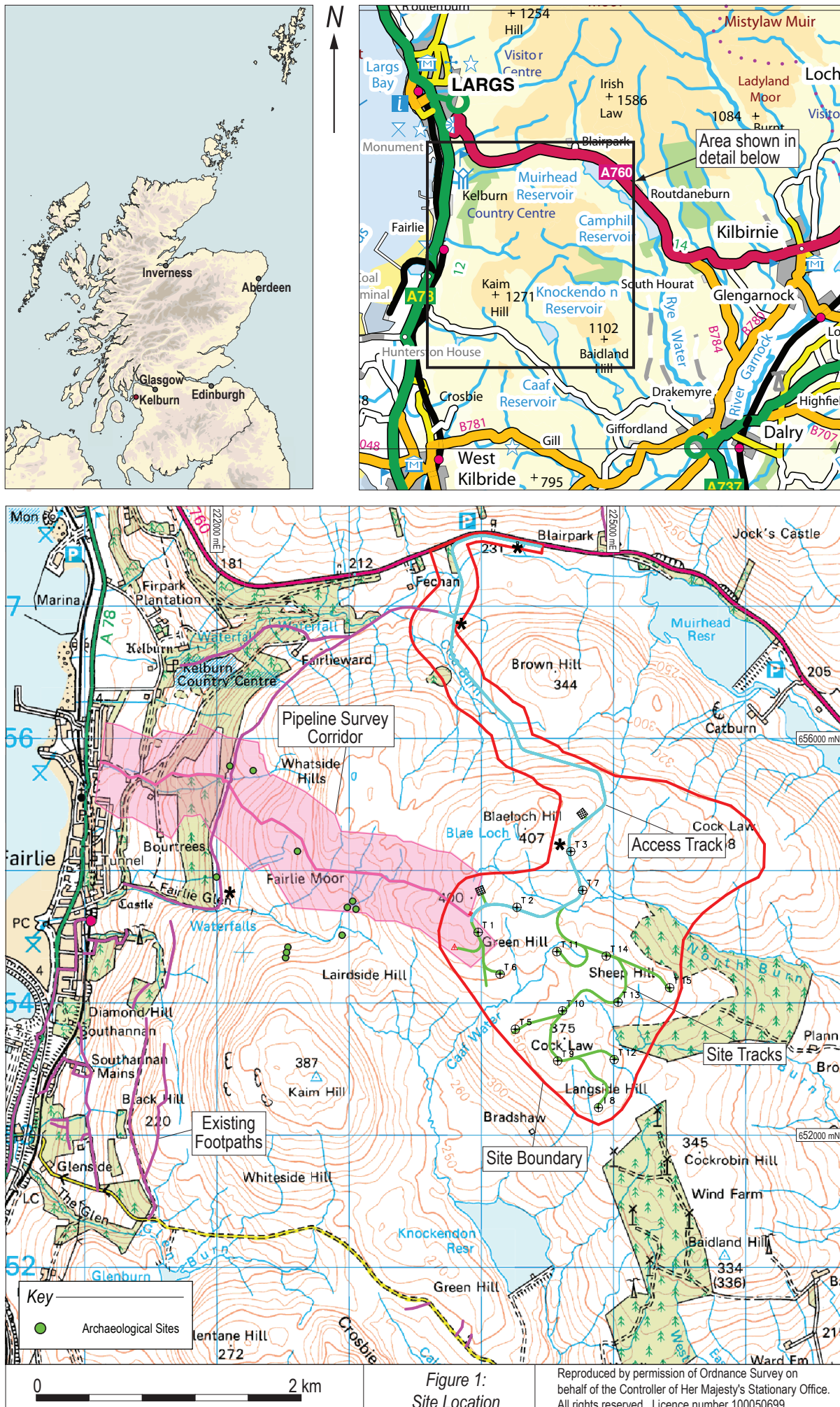
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Executive Summary

- 1.1 GUARD Archaeology Limited were commissioned by Renewable Energy Systems Ltd to undertake an archaeological watching brief during the construction and excavation of access roads, turbine bases and other associated work at Kelburn Estate, North Ayrshire. This work was undertaken between May 2010 and August 2011 and revealed no new archaeological sites that had not previously been recognised during the course of the initial assessment (McLellan. 2004) and subsequent walkover survey of the site (Rennie 2009). This report also reports on the salvage excavation of two nineteenth grouse butts during the project.

Introduction

- 2.1 This report sets out the results of an archaeological watching brief undertaken by GUARD Archaeology limited, on behalf of Renewable Energy Systems Ltd on a site proposed for the construction and excavation of access roads and other associated construction at Kelburn Estate in North Ayrshire. During the course of the watching brief no new archaeological features were uncovered. GUARD Archaeology undertook this programme of work between May 2010 and August 2011.

Site Location, Topography and Geology

- 3.1 The proposed development at Kelburn, North Ayrshire (centred on NGR : NS 250 545) lies to the south-east of the town of Largs. The development took place on land that was refused planning permission (N/04/00786/PP) by North Ayrshire Council in 2004, but subsequently appealed and granted permission (PPA-31-159) by the Scottish Government's Directorate for Planning and Environmental Appeals (DPEA). The planning permission granted had the condition attached to it that necessitated the production of a mitigation plan for the site that included a WSI and avoidance proposals, as well as requiring this particular watching brief during all construction works.
- 3.2 The site itself lies mainly within the Kelburn Estate and is centred on Blaeloch Hill (NGR: NS 245 555). Much of the site is upland heath, containing areas of bracken, rough grazing and rock outcrops, and stretches of open moorland rising steeply to the summits of Blaeloch Hill, Cock Law, South Knowe, Brown Hill, Ward Hill, Sheep Hill, Green Hill, Meikle Green Law and Little Green Law. The northern-most portion of the site is a narrow section descending the northern side of Ward Hill to Kelburn Glen.
- 3.3 The underlying drift geology consists of Devensian Till with patches of peat. The solid geology at the west of the area surveyed consists of sandstone formations of Late Devonian age; to the east of Whatside hills the solid geology is Clyde Plateau Volcanic Formation of Asbian to Chadian Age (Geology Digimap)

Archaeological Background

Prehistoric Remains

- 4.1 Although several prehistoric ritual sites are known in the locales of Fairlie and Largs and on the hills to the east of the wind farm site (McLellan. 2004), none of these are within 300m of either of the proposed routes covered by this piece of work. Similarly, no prehistoric artefacts have been found within the corridor of the underground cable route.

Early Historic and Medieval Remains

- 4.2 No early historic or Medieval remains are known within the range of the field inspection. The fifteenth century tower house, Fairlie Castle (NMRS NS25SW 1), is situated close to the existing footpath through Fairlie Glen, but is not affected by the proposed footpath development. It is a Scheduled Ancient Monument and a B-listed building.

Post-Medieval Remains

- 4.3 A search of the National Monuments Record for Scotland (NMRS) on-line database, Canmore, and the on-line local Sites and Monuments Record (SMR) found that the remains of two post-medieval structures lie within the development area. These buildings are neither Scheduled Ancient Monuments nor listed buildings, and no artefacts are associated with them.

Aims and Objectives

- 5.1 The general aim of the watching brief was to identify any archaeological features encountered and record them fully. The specific objectives were:
- Establish the presence or absence of any archaeological remains within the development area,
 - Determine the character, extent and significance of any archaeological deposits encountered,
 - Fully excavate and salvage any information possible from any significant features encountered.
- 5.2 To maintain a series of buffer zones around previously known archaeological sites and prevent damage or disturbance to these during the phase of construction work.

Methodology

- 6.1 The methodology for conducting the watching brief was developed within mitigation plan that included a WSI for agreement with the Planning Authority (Atkinson 2010).
- 6.2 Topsoil was stripped using a mechanical excavator, fitted with a flat-bladed ditching bucket, under close archaeological supervision. The topsoil was removed in spits to the surface of the subsoil. All on-site recording, written, drawn and photographic, was to the standards normally pertaining in archaeological fieldwork. No new archaeological features were uncovered during this process and no detailed recording was needed.
- 6.3 Conditions for the watching brief included the introduction of a number of buffer zones around existing archaeological sites found in the original assessment. Those of immediate interest situated close to the ongoing construction work. The sites directly impacted by the immediate construction are listed in the table below:

| Site Number | Description | NGR | Proposed Mitigation Measure |
|-------------|----------------------|--------------------------------|---|
| 2 | Sheepfold | 223570 656830 | Maintain 20m buffer zone around site |
| 3 | Enclosure; sheepfold | 223600 656760 | Maintain 20m buffer zone around site |
| 6 | Field boundary | 223570 656830 | Maintain 20m buffer zone around site |
| 8 | Plane Crash Site | 224059 654990 | Maintain 100m buffer zone around site |
| 9 | Boundary Cairn | 224564 655518 | Maintain 20m buffer zone around site |
| 11 | Boundary cairn | 223915 654791 | Maintain 20m buffer zone around site |
| 12 | Grouse butts | 225418 654156 to 225740 654101 | Maintain 20m buffer zone around grouse butt |
| 16 | Boundary cairn | 224582 653501 | Maintain 20m buffer zone around site |
| 18 | Oval Structure | 222610 655150 | Maintain 20m buffer zone around site |
| 21 | Sheepfold | 224123 655947 | Maintain 20m buffer zone around site |

Results

- 7.1 The initial stripping of top soil was split into two separate sites. Site 1 was the access road itself and associated work with the turbine bases. This was accessed from the entrance to the main site along the A760. The second area was Site 2, this was the excavation of cable track and substation accessed through Fairlie and the entrance to Kelburn Country Park.
- 7.2 The initial stripping commenced with Site 1. From the outset, peat of varying depth was uncovered during the stripping process. The initial access encountered thick peat varying from 2.5 m at its deepest (alongside the A760) lying directly on top of soft brown clay. No archaeology was found during this work with the only find of possible significance was a small clay “ginger beer” bottle found in the immediate topsoil.
- 7.3 As the topsoil strip reached the lower slopes of Brown hill, here the peat became increasingly shallow as it hit the high bedrock, however due to the undulating nature of this; it still contained pockets of deep peat. The peat encountered up slope appeared completely sterile and contained nothing of archaeological interest. At some areas the peat itself was extremely waterlogged, due to the nature of the drainage up-slope and the direction of the track through the landscape. In some sections it would have been extremely difficult – if not impossible to discern any evidence of archaeological material – due to these conditions
- 7.4 On the initial approach to the hillside, it was clear that archaeological sites 2, 3 and 6 (indicated on the site plan), sheep fold, field boundary and enclosure appeared well out of range of the construction area itself, over 500 m away. A small valley (Clee Burn) separated these from the immediate area of work. No further action was necessary to protect this from any potential impact from construction.
- 7.5 Again, as the track skirted round the eastern side of Blaeloch Hill, the archaeological site numbered 21 (indicated on the site plan) – a sheepfold, was clearly visible from distance. Due to the nature of the “floating road” at this point – no necessary action was needed to protect this structure - as no major excavation was undertaken for the road itself. The only work undertaken in this immediate area included a number of drainage ditches and settling ponds.
- 7.6 The boundary cairn – White Knowes – (indicated as archaeological site number 9 on the plan) was also highly visible upslope from the road itself. The original site of the compound was initially planned to be situated to the east and down slope of this cairn, however the agreed location of this construction had to be changed and it was re-sited adjacent to the substation near Turbine 1. No action again needed to be taken to protect this cairn from any work.
- 7.7 One of the main concerns was over the World War II plane crash site – (indicated as site number 8 on the site plan) and the proximity of the “borrow pit” to the 100 m buffer zone. The potential for outlying wreckage was of some concern. However the plan to utilise this borrow pit was re-evaluated and thus, was it was eventually not opened. No further action was needed to protect this site buffer from any construction work.
- 7.8 The relocation of the compound area to the substation site – near to Turbine 1, had no direct impact on any of the archaeological sites listed. Its proximity to the cairn – archaeological site number 11 on the site plan, did not pose any immediate problem as the cairn itself was upslope on Green Hill and was 300-400 m away from any of the construction work.
- 7.9 Much of the excavation of the track between Blaeloch Hill and Sheep Hill encountered peat of varying depth. The nature of the valley allowed the accumulation of peat 3-4 m in depth at some points. This peat was very waterlogged in some areas and it was extremely difficult, if not impossible to discern any archaeological data from its excavation.
- 7.10 The cairn located to the South of Turbine 9 appeared to be an area of exposed bedrock; this was on an area of prominent high ground. The excavations of the turbine base and hard standing took place well out with the designated 20 m buffer zone and again no further action was needed to protect this from any of the construction works.

- 7.11 The cairn found during works to the south-east of Turbine 14 on the top of Sheep Hill initially caused some problems. This was not picked up on the original Archaeological Assessment in 2003 – possibly due to the height of vegetation at the time. The original path of the track passed within 1 m of the cairn itself, and the plans had to be revised, altering the track, thus introducing a larger buffer zone to protect this. A 15 m buffer was introduced to protect this cairn, as the road passed quite near to the area. No disturbance was caused to the cairn or immediate location during works and no further action was required.
- 7.12 The track leading towards the location of the Grouse Butts (site 12 indicated on the site plan), contained very shallow peat up to 0.3 m in most places. The existing remains of the grouse butts had been left in extremely degraded conditions. Due to the nature of the exposure on the hillside many had decayed and had collapsed. The decision was taken to excavate the north western grouse butt, as it was in the worst state of repair and had no upstanding elements left within it. During the excavation, the vegetation and peat were removed by hand exposing sterile subsoil below. Nothing of archaeological significance was uncovered during the stripping of the immediate area surrounding this, and the scattering of collapsed wood was documented and recorded. The decision was also taken to draw and record the grouse butt located due east of this original excavated grouse butt. This was located on the tree line of the plantation and subsequently removed later. It was also in a degraded condition, but remained intact during the felling of trees. This was again left preserved in situ with the rest of the upstanding grouse butts.
- 7.13 The area of site 2 was accessed through Kelburn Country Park Estate. This was the excavation of the cable track from the substation at the top of Green Hill, to the North of Turbine 1. This originally started down at the tree line near the base of Whatside Hill. A number of potential archaeological sites were noted in the original archaeological assessment. The potential oval structure (listed as site 18 on the site plan) was the only site indicated where any potential construction work could possibly impact. A 20 m buffer zone was implemented and although visible on the ground during excavation of the track, a significant distance was maintained during work and no further action was required. The excavation of the track itself uncovered undulating high bedrock and peat the full distance up slope ranging from 0.2 m to 0.8 m in depth. Much of this was sterile, with the vast length of the Fairlie Moor section of track, extremely waterlogged and providing extremely difficult conditions. At the top of the cable track, there was more than sufficient distance between the excavation works and the cairn (indicated as site 11 on the location map).
- 7.14 The phase of works below the tree line in Kelburn Country Park itself included the clearing of the lower substation. This included a section of cable track through the recently deforested area down to the substation to the east of A78. Nothing of archaeological interest was uncovered during the stripping of this section and no known archaeological site was impacted on during the works.

Discussion

- 8.1 The extensive watching briefs identified no new sites within the line of the access tracks, turbine bases and sub-stations that formed the main part of the wind farm complex. Nor did they discover any new sites within the underground cable track from Kelburn Park up to the site. The only site impacted upon was the north-western grouse butt which was already badly denuded. No significant remains were encountered in relation to this feature, which was removed by hand by the archaeological team.

Recommendations

- 9.1 The watching briefs have proved that no archaeologically sensitive deposits or features exist within the wind farm development area. In consequence, it is recommended that no further archaeological work is required.

- 9.2 GUARD Archaeology would stress that these recommendations are intended for guidance only. Final decisions on the nature and extent of any future archaeological work rest with the planning authority.

Acknowledgements

- 10.1 GUARD Archaeology would like to thank RES UK and Ireland Ltd, in particular Fergal Duffy , Paul Nicholson and Gary Scowther for their assistance. Administrative and technical support was provided by Jen Cochrane, Aileen Maule and John Kiely. The illustrations were produced by Gillian McSwan, who also desk top published this report. The project was managed for GUARD Archaeology by John Atkinson.

**Kelburn Windfarm
Archaeological Watching Brief**

Section 2: Appendices



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Appendices

Appendix A: Bibliography

Atkinson, J 2010 *GUARD 3134: Kelburn Wind Farm - Watching Brief Method Statement*, unpublished document.

McLellan, K 2004 *Kelburn Wind Farm: Archaeological Assessment*, GUARD report no. 1778, Glasgow.

Rennie, C 2009 *Kelburn Wind Farm: Phases 2 & 3*, GUARD report no. 2838, Glasgow.

Appendix B: List of Context

| Context No. | Area | Description | Interpretation |
|-------------|---------------|---------------------------------|------------------------|
| 001 | Site 1 Area A | Loose dark brown silt | Topsoil |
| 002 | Site 1 Area A | Soft dark brown/black silt | Peat Deposit |
| 003 | Site 1 Area A | Light brown, sandy clay deposit | Sand/Clay Deposit |
| 004 | Site 1 Area A | Soft grey clay | Clay deposit |
| 005 | Site 1 Area A | Hard grey rock | Bedrock |
| 006 | Site 2 Area D | Linear Drystone Wall | Field Boundary |
| 007 | Site 2 Area D | Stone wall - collapsed | Collapsed wall section |
| 008 | Site 2 Area D | Loose brown silt | Topsoil |
| 009 | Site 2 Area D | Loose black/brown peat | Peat Deposit |
| 010 | Site 2 Area D | Grey - brown clay silt | Clay/silt deposit |
| 011 | Site 2 Area D | Grey hard stone | Bedrock |
| 012 | Site 2 Area Q | Loose light brown sandy silt | Topsoil |
| 013 | Site 2 Area Q | loose orange sand | Subsoil |
| 014 | Site 2 Area Q | Loose red/brown sand | Hillwash |
| 015 | Site 2 Area G | Wood remains | Grouse Butt remains |

Appendix C: List of Finds

| Find No. | Area | Context No. | No. of Pieces | Material | Description |
|----------|-----------------|-------------|---------------|-------------|--------------------------------------|
| 1 | Site 1 (Area G) | 015 | 4 | Metal | Nails - possibly modern |
| 2 | Site 1 (Area G) | 015 | 2 | Plastic | Unknown |
| 3 | Site 1 (Area A) | Gen | 1 | Clay bottle | Clay ginger beer bottle with stopper |

Appendix D: List of Samples

| Sample No. | Area | Context No. | Size | Reason for Sampling | | | | Application/Comments |
|------------|-----------------|-------------|-------|---------------------|------|---------|----------|--|
| | | | | Pot | Bone | Lithics | Botanics | |
| 1 | Site 1 (Area G) | 015 | 1 x L | | | | X | Natural Peat - possibly sterile |
| 2 | Site 1 (Area G) | 015 | 1 x L | | | | X | Sample of wood from grouse butts (Smaller fragments) |
| 3 | Site 1 (Area G) | 015 | 1 xL | | | | X | Sample of wood from grouse butts (Larger fragments) |

Appendix E: List of Drawings

| Drawing No. | Area | Sheet No. | Subject | Scale |
|-------------|-----------------|-----------|--------------------------------|-------|
| 1 | Site 1 (Area G) | 1 | Plan of destroyed Grouse Butt | 1:20 |
| 2 | Site 1 (Area G) | 1 | Plan of upstanding Grouse Butt | 1:20 |

Appendix F: List of Photographs

Digital

| Frame | Area | Context No. | Subject | Taken from |
|-------|---------------------|-------------|--|------------|
| 1 | Site 1 (Area A) | Gen | Gen shot looking down road | W |
| 2 | Site 1 (Area A) | - | Gen shot looking down road | E |
| 3 | Site 1 (Area A) | - | Shot looking into site from road | NE |
| 4 | Site 1 (Area A) | - | Section of Peat showing depth | S |
| 5 | Site 1 (Area A) | - | Section of Peat showing depth | E |
| 6 | Site 1 (Area A) | - | Gen shot of area | E |
| 7 | Site 1 (Area A) | - | Gen shot of area | E |
| 8 | Site 1 (Area A) | - | Looking towards treeline - down proposed track | NE |
| 9 | Site 1 (Area A) | - | Completed initial compound area (Stripped) | N |
| 10 | Site 1 (Area A) | - | Completed initial compound area (Stripped) | N |
| 11 | Site 1 (Area A) | - | Gen shots of floating road | S |
| 12 | Site 1 (Area A) | - | Gen shots of floating road | W |
| 13 | Site 1 (Area A) | - | Gen shots of floating road | E |
| 14 | Site 1 (Area A) | - | Water pipe exposed | E |
| 15 | Site 1 (Crash site) | - | Wreckage of plane on hillside | N |
| 16 | Site 1 (Crash site) | - | Wreckage of plane on hillside | N |
| 17 | Site 1 (Crash site) | - | Wreckage from hillside | S |
| 18 | Site 1 (Crash site) | - | Wreckage from hillside | E |
| 19 | Site 1 (crash site) | - | Close up on engine | S |
| 20 | Site 1 (crash site) | - | Close up on engine | S |
| 21 | Site 1 (crash site) | - | Wreckage on outskirts | E |
| 22 | Site 1 (crash site) | - | Wreckage on outskirts | E |
| 23 | Site 1 (crash site) | - | Close up of grafitti on wreckage | |
| 24 | Site 1 (crash site) | - | Wreckage Detail | W |
| 25 | Site 1 (crash site) | - | Wreckage Detail | S |
| 26 | Site 1 (crash site) | - | Wreckage Detail | S |
| 27 | Site 1 (crash site) | - | Wreckage Detail | S |
| 28 | Site 1 (crash site) | - | Wreckage from hillside | S |
| 29 | Site 1 (crash site) | - | Engine proximity to wreck | S |
| 30 | Site 1 (crash site) | - | Drainage ditch section | SW |
| 31 | Site 1 (Area P) | - | Drainage Ditch at side of road | SW |
| 32 | Site 1 (Area P) | - | Drainage ditch at side of road | SW |
| 33 | Site 1 (Area P) | - | Stripped area at Brown Hill | S |
| 34 | Site 1 (Area P) | - | Stripped area at Brown Hill | S |
| 35 | Site 1 (Area P) | - | Drainage ditch at Brown Hill | S |
| 36 | Site 2 (Area A) | - | Entrance to site beyond wall (stripped) | E |
| 37 | Site 2 (Area A) | - | Shot looking up stripped access road | E |
| 38 | Site 2 (Area A) | - | Ditch (drainage) dug without archaeologist present | W |
| 39 | Site 2 (Area B) | - | Cable trench (stripped) | E |
| 40 | Site 2 (Area B) | - | Cable trench (stripped) | E |
| 41 | Site 2 (Area B) | - | Cable trench (stripped) | E |
| 42 | Site 2 (Area B) | - | Gen Shot looking downhill at trench | E |
| 43 | Site 2 (Area B) | - | Gen shot of site from hillside | E |
| 44 | Site 2 (Area B) | - | Gen shot of site from hillside | E |
| 45 | Site 2 (Area C) | - | Small pile of stones from wall | S |
| 46 | Site 2 (Area C) | - | Small pile of stones from wall | E |
| 47 | Site 2 (Area C) | - | Small pile of stones from wall | S |
| 48 | Site 2 (Area C) | - | Small pile of stones from wall | E |
| 49 | Site 2 (Area C) | - | Small pile of stones from wall | S |
| 50 | Site 2 (Area C) | - | Drystone wall | S |
| 51 | Site 2 (Area C) | - | Drystone wall | N |

| Frame | Area | Context No. | Subject | Taken from |
|-------|-----------------|-------------|--|------------|
| 52 | Site 2 (Area C) | - | Drystone wall | E |
| 53 | Site 2 (Area C) | - | Drystone wall | SE |
| 54 | Site 2 (Area C) | - | Trench cutting drystone wall | N |
| 55 | Site 2 (Area C) | - | Trench cutting drystone wall | N |
| 56 | Site 2 (Area C) | - | Cable trench (stripped) | W |
| 57 | Site 2 (Area C) | - | Working shots of stripping | NW |
| 58 | Site 1 (Area P) | - | Cut off ditch above road | S |
| 59 | Site 1 (Area P) | - | Road being cut through deep peat | W |
| 60 | Site 1 (Area P) | - | Section of peat cut with toothed bucket | N |
| 61 | Site 2 (Area D) | - | Cable trench (stripped) | E |
| 62 | Site 2 (Area D) | - | Section of shallow peat of cable trench | N |
| 63 | Site 2 (Area Q) | - | Shot of Stripped track | W |
| 64 | Site 2 (Area Q) | - | Stripped track through woodland area | E |
| 65 | Site 2 (Area Q) | - | Stripped track through woodland area | S |
| 66 | Site 2 (Area Q) | - | Stripped track through woodland area | N |
| 67 | Site 2 (Area Q) | - | Stripped track through woodland area | S |
| 68 | Site 2 (Area Q) | - | Stripped track through woodland area | N |
| 69 | Site 2 (Area Q) | - | Stripped track through woodland area | S |
| 70 | Site 2 (Area D) | - | Cairn (site 11) from top of cable track | SW |
| 71 | Site 2 (Area D) | - | Detail of peat depth - SW of cairn 11 | NE |
| 72 | Site 2 (Area D) | - | Working shot - SW of cairn 11 | SW |
| 73 | Site 2 (Area D) | - | Working shot - SW of cairn 11 | SE |
| 74 | Site 2 (Area D) | - | View of cairn from Trench - SW of cairn 11 | SE |
| 75 | Site 1 (Area P) | - | Working Shot | W |
| 76 | Site 1 (Area P) | - | Working Shot | W |
| 77 | Site 1 (Area P) | - | Working Shot | W |
| 78 | Site 1 (Area P) | - | Excavated cut off ditch | E |
| 79 | Site 1 (Area P) | - | Section of cut off ditch | N |
| 80 | Site 1 (Area P) | - | Excavated cut off ditch | E |
| 81 | Site 1 (Area P) | - | Working shot showing excavation of ditch | NE |
| 82 | Site 1 (Area P) | - | Gen shot of cut off ditch | W |
| 83 | Site 1 (Area P) | - | Working shot showing depth of peat | NE |
| 84 | Site 1 (Area P) | - | Working shot showing depth of peat | NE |
| 85 | Site 1 (Area P) | - | Working shot showing depth of peat | NE |
| 86 | Site 1 (Area P) | - | Working shot showing depth of peat | NE |
| 87 | Site 2 (Area Q) | - | Service trench with ducts in situ | S |
| 88 | Site 2 (Area Q) | - | Detail of depth of service trench | W |
| 89 | Site 2 (Area Q) | - | Area during stripping | N |
| 90 | Site 2 (Area Q) | - | Area still to be stripped | W |
| 91 | Site 2 (Area Q) | - | During stripping | W |
| 92 | Site 2 (Area Q) | - | Section of stripped area | N |
| 93 | Site 2 (Area Q) | - | Section of stripped area | E |
| 94 | Site 1 (Area B) | T3 | General shot looking towards Turbine 3 | NW |
| 95 | Site 1 (Area B) | T3 | Waterlogged peat at track | N |
| 96 | Site 1 (Area C) | T7 | Section at hardstanding at Turbine 7 | NW |
| 97 | Site 1 (Area C) | T7 | Showing peat/clay/rock at Turbine 7 | SE |
| 98 | Site 1 (Area C) | T7 | Section showing peat/silt clay/rock at T7 | SE |
| 99 | Site 1 (Area C) | - | Gen shots of landscape | E |
| 100 | Site 1 (Area C) | - | Gen shots of landscape | E |
| 101 | Site 1 (Area C) | - | Gen shots of landscape | SW |
| 102 | Site 1 (Area C) | - | Gen shot of landscape | E |
| 103 | Site 1 (Area C) | - | Gen shot of landscape | E |
| 104 | Site 1 (Area C) | - | Gen shot of landscape | E |
| 105 | Site 1 (Area D) | - | Gen shot of landscape | W |
| 106 | Site 1 (Area D) | - | Gen shot looking back at T3 and T7 | S |

| Frame | Area | Context No. | Subject | Taken from |
|-------|---------------------|-------------|--|------------|
| 107 | Site 1 (Area D) | - | Neighbouring windfarm overlooking Dalry | N |
| 108 | Site 1 (Area D) | - | Neighbouring windfarm overlooking Dalry | N |
| 109 | Site 1 (Area H) | - | View of Arran from Sheep Hill | E |
| 110 | Site 1 (Area O) | - | Gen shot of T11 access | SE |
| 111 | Site 1 (Area O) | - | Gen shot of T3 and T7 | S |
| 112 | Site 1 (Area H) | - | Gen shot of whitelees windfarm | N |
| 113 | Site 1 (Area H) | - | Gen shot of Bute | E |
| 114 | Site 1 (Area H) | - | Gen shot of Bute/Jura | E |
| 115 | Site 1 (Area F) | - | Gen shots of two neighbouring windfarms | SE |
| 116 | Site 1 (Area C) | T3 | Whitelees windfarm in mist | SW |
| 117 | Site 1 (Area C) | T3 | Whitelees windfarm in mist | SW |
| 118 | Site 1 (Area F) | T1 | Shallow peat straight onto rock | NE |
| 119 | Site 1 (Area C) | T7 | Deep peat cutting at T7 | N |
| 120 | Site 1 (Area C) | T7 | Deep peat cutting at T7 | SW |
| 121 | Site 1 (Area F) | T1 | Working shot of stripping) | SW |
| 122 | Site 1 (Area C) | T7 | Detail of formation | E |
| 123 | Site 1 (Area C) | T7 | Gen shot of excavations | N |
| 124 | Site 1 (Area F) | - | Shot of neighbouring windfarm in mist | N |
| 125 | Site 1 (crash site) | - | Plane crash site - obscured by snow) | S |
| 126 | Site 1 (Area F) | - | Gen shot of fog banks towards arran | NE |
| 127 | Site 1 (Area F) | - | Windfarm to the south of site | N |
| 128 | Site 1 (Area F) | - | Cumbrae and south tip of Bute | E |
| 129 | Site 1 (Area F) | T1 | Excavations at T1 | SW |
| 130 | Site 1 (Area F) | - | Ardrossan windfarm | N |
| 131 | Site 1 (Area F) | - | Ardrossan windfarm | N |
| 132 | Site 1 (Area F) | - | Sunset towards Arran | NE |
| 133 | Site 1 (Area F) | - | Sunset towards Arran | NE |
| 134 | Site 1 (Area F) | - | Moon to the North of site | S |
| 135 | Site 1 (Area E) | - | Sunset towards Arran | NE |
| 136 | Site 1 (Area E) | - | Sunset towards Arran | NE |
| 137 | Site 1 (Area C) | T7 | Post excavation | N |
| 138 | Site 1 (Area C) | T7 | Post excavation shot of base | N |
| 139 | Site 1 (Area G) | T14 | Section showing deep deposits | S |
| 140 | Site 1 (Area F) | T1 | Section showing deep deposits | N |
| 141 | Site 1 (Area E) | Cairn | Shot of cairn near to main compuond | SE |
| 142 | Site 1 (Crash site) | - | General shots of wreckage | N |
| 143 | Site 1 (crash site) | - | General shots of wreckage | N |
| 144 | Site 1 (crash site) | - | General shots of wreckage | N |
| 145 | Site 1 (crash site) | - | General shots of wreckage | N |
| 146 | Site 1 (Area O) | Cairn | Cairn on high ground SE of junction of T11 track | NW |
| 147 | Site 1 (Area H) | Cairn | Cairn on high ground just after T14 | N |
| 148 | Site 1 (Area G) | Grouse butt | View of grouse butt previously destroyed | W |
| 149 | Site 1 (Area G) | Grouse butt | View of grouse butt previously destroyed | S |
| 150 | Site 1 (Area G) | Grouse butt | Detail of existing post hole and wood remains | N |
| 151 | Site 1 (Area G) | Grouse butt | General shot of excavated area | SE |
| 152 | Site 1 (Area G) | Grouse butt | General shot of excavated area | NE |
| 153 | Site 1 (Area G) | Grouse butt | Detail of E - post hole | NW |
| 154 | Site 1 (Area G) | Grouse butt | Detail of W - post hole | NW |
| 155 | Site 1 (Area G) | Grouse butt | Section of peat | SE |
| 156 | Site 1 (Area G) | Grouse butt | Excavating grouse butt area | S |
| 157 | Site 1 (Area G) | Grouse butt | Excavating grouse butt area | S |
| 158 | Site 1 (Area G) | Grouse butt | Excavating grouse butt area | E |
| 159 | Site 1 (Area G) | Grouse butt | Excavating grouse butt area | E |
| 160 | Site 1 (Area G) | Grouse butt | Blade fingers area being excavated | SE |
| 161 | Site 1 (Area G) | Grouse butt | Blade fingers area being excavated | N |

| Frame | Area | Context No. | Subject | Taken from |
|-------|-----------------|-------------|---|------------|
| 162 | Site 1 (Area G) | Grouse butt | Blade fingers area being excavated | N |
| 163 | Site 1 (Area G) | Grouse butt | Gen shot showing proximity to existing grouse butts | W |
| 164 | Site 1 (Area G) | Grouse butt | Excavated area for blade finger | NE |
| 165 | Site 1 (Area G) | Grouse butt | Working shot of excavating | NE |
| 166 | Site 2 (Area Q) | - | Stripping cable track area close to bottom substation | W |
| 167 | Site 2 (Area Q) | - | Stripping cable track area close to bottom substation | W |
| 168 | Site 2 (Area Q) | - | Stripping cable track area close to bottom substation | W |
| 169 | Site 2 (Area Q) | - | Stripping cable track area close to bottom substation | W |
| 170 | Site 2 (Area Q) | - | Stripping cable track area close to bottom substation | NW |
| 171 | Site 2 (Area Q) | - | Bottom substation area stripped | SE |
| 172 | Site 2 (Area Q) | - | Bottom substation area stripped | SE |
| 173 | Site 2 (Area Q) | - | Bottom substation area stripped | N |
| 174 | Site 2 (Area Q) | - | Bottom substation area stripped | N |
| 175 | Site 2 (Area Q) | - | Detail of section showing shallow peat depth | N |
| 176 | Site 2 (Area A) | - | Detail of track stripping through wall | NW |
| 177 | Site 2 (Area A) | - | Detail of track stripping through wall | NW |
| 178 | Site 2 (Area A) | - | Detail of access track stripped | SE |
| 179 | Site 2 (Area A) | - | Detail of access track stripped | SE |
| 180 | Site 2 (Area A) | - | Gen shot of view from track | E |
| 181 | Site 2 (Area A) | - | Gen shot of view from track | E |
| 182 | Site 2 (Area A) | - | Shot of cable track excavated | SE |
| 183 | Site 2 (Area A) | - | Detail of cable trench - stripped | NW |
| 184 | Site 2 (Area A) | - | Section of cable trench | SW |
| 185 | Site 2 (Area A) | - | Gen shot of machine doing the stripping | - |
| 186 | Site 2 (Area B) | - | Gen shot of view overlooking Kelburn | E |
| 187 | Site 1 (Area A) | - | Gen shot of lifting of turbine can | - |
| 188 | Site 2 (Area B) | - | Gen shot of machine and terrain | W |
| 189 | Site 2 (Area B) | - | Gen shot of stripping | E |
| 190 | Site 2 (Area B) | - | Detail of cable trench - stripped | E |
| 191 | Site 2 (Area B) | - | Gen shot of area B - looking towards Largs | SW |
| 192 | Site 2 (Area B) | - | Gen shot of area B - looking towards Largs | SW |
| 193 | Site 2 (Area B) | - | Detail of bedrock in cable track | SW |
| 194 | Site 2 (Area C) | - | Gen shot of tractor stuck in mud | - |
| 195 | Site 2 (Area C) | - | Gen shot of tractor stuck in mud | - |
| 196 | Site 1 (Area P) | - | Gen shot of machine stripping | S |
| 197 | Site 1 (Area P) | - | Gen shot of machine stripping | N |
| 198 | Site 1 (Area P) | - | Gen shot of cut off ditch | NE |
| 199 | Site 1 (Area P) | - | Shot of peat collapsing due to depth | NE |
| 200 | Site 2 (Area Q) | - | Shot of bottom half of cable track being stripped | W |
| 201 | Site 1 (Area O) | Cairn | Shot of cairn near to T14 | SW |
| 202 | Site 1 (Area O) | Cairn | Shot of cairn near to T14 | S |
| 203 | Site 1 (Area K) | - | Gen shot of machine | NE |
| 204 | Site 1 (Area K) | - | Gen shots of machines working | W |
| 205 | Site 1 (Area K) | - | Gen shots of machines working | W |
| 206 | Site 1 (Area H) | Cairn | Shot of collapsed cairn near to split for T11 (SW side of road) | S |
| 207 | Site 1 (Area H) | Cairn | Detail of collapsed cairn (SW side of road) | S |
| 208 | Site 1 (Area H) | Cairn | Detail of collapsed cairn (SW side of road) | S |
| 209 | Site 1 (Area H) | Cairn | Detail of collapsed cairn (SW side of road) | S |
| 210 | Site 1 (Area D) | - | General shot of site - with landrover | SW |
| 211 | Site 1 (Area L) | - | General shot of stripping showing depth of peat | S |
| 212 | Site 1 (Area L) | - | General shot of deep peat | S |
| 213 | Site 1 (Area P) | - | Shot of concrete pit dug | E |
| 214 | Site 1 (Area P) | - | Shot of concrete pit dug | E |
| 215 | Site 1 (Area L) | - | Shot of peat depth | W |

| Frame | Area | Context No. | Subject | Taken from |
|-------|-----------------|-------------|---|------------|
| 216 | Site 1 (Area L) | - | Shot of peat depth | W |
| 217 | Site 1 (Area O) | - | Shot of peat depth | W |
| 218 | Site 1 (Area E) | - | General shot overlooking site | SW |
| 219 | Site 1 (Area H) | - | General shot showing depth of peat | S |
| 220 | Site 1 (Area H) | - | General shot showing depth of peat | S |
| 221 | Site 1 (Area C) | - | General shot in direction of plane crash site | SE |
| 222 | Site 1 (Area E) | - | General shot in direction of plane crash site | SE |
| 223 | Site 1 (Area F) | - | General shot looking towards millport | E |
| 224 | Site 1 (Area H) | - | Drainage ditch being dug | W |
| 225 | Site 1 (Area O) | - | General shot of cairn at T14 | NW |
| 226 | Site 1 (Area O) | - | General shot showing ground churned up | NW |
| 227 | Site 1 (Area O) | - | General shot showing ground churned up | NW |
| 228 | Site 1 (Area O) | - | General shot showing proximity to cairn | SE |
| 229 | Site 1 (Area C) | - | General shot showing crane blocking road | N |
| 230 | Site 1 (Area C) | - | General shot showing crane blocking road | N |
| 231 | Site 1 (Area C) | - | General shot showing crane blocking road | N |
| 232 | Site 1 (Area C) | - | General shot showing crane blocking road | N |
| 233 | Site 1 (Area C) | - | General shot showing crane blocking road | NW |
| 234 | Site 1 (Area C) | - | General shot showing crane blocking road | S |
| 235 | Site 1 (Area C) | - | General shot showing crane blocking road | S |
| 236 | Site 1 (Area C) | - | General shot showing crane blocking road | N |
| 237 | Site 1 (Area C) | - | General shot showing crane blocking road | N |
| 238 | Site 1 (Area F) | - | Stripped compound area | NE |
| 239 | Site 1 (Area F) | - | Stripped compound area | NE |
| 240 | Site 1 (Area J) | - | General shot of landrover and snow | N |
| 241 | Site 1 (Area J) | - | General shot of weather conditions | N |
| 242 | Site 1 (Area L) | - | General shot of floating road | SW |
| 243 | Site 1 (Area H) | - | General shot of road cutting | SE |
| 244 | Site 1 (Area L) | - | General shots showing machines out of reach | NE |
| 245 | Site 1 (Area L) | - | General shots showing machines out of reach | NE |
| 246 | Site 1 (Area P) | - | General shot showing road widened | N |
| 247 | Site 1 (Area P) | - | General shot showing road widened | N |
| 248 | Site 1 (Area L) | - | Shot of machine sunk in mud | S |
| 249 | Site 1 (Area L) | - | Shot of machine sunk in mud | S |
| 250 | Site 1 (Area L) | - | Shot of machine sunk in mud | S |
| 251 | Site 1 (Area L) | - | Shot of machine sunk in mud | S |
| 252 | Site 1 (Area L) | - | Shot of machine sunk in mud | S |
| 253 | Site 1 (Area E) | - | Animal feed - near cairn | - |
| 254 | Site 1 (Area E) | - | Animal feed - near cairn | - |
| 255 | Site 1 (Area L) | - | General shots of water filled track | N |
| 256 | Site 1 (Area L) | - | General shots of water filled track | N |
| 257 | Site 1 (Area L) | - | General shots of water filled track | N |
| 258 | Site 1 (Area D) | - | General shot of machine sunk in peat) | S |
| 259 | Site 1 (Area C) | T7 | Shot of hardstanding extended | N |
| 260 | Site 1 (Area H) | - | Stripping of the split at T9 | N |
| 261 | Site 1 (Area H) | - | Stripping of the split at T9 | N |
| 262 | Site 1 (Area H) | - | Detail of use of toothed bucket | N |
| 263 | Site 1 (Area H) | - | Area stripped without archaeologist (due to heath and safety) | N |
| 264 | Site 1 (Area L) | - | General shot of stripping of junction | SE |
| 265 | Site 1 (Area L) | - | General shot of stripping of junction | SE |
| 266 | Site 1 (Area A) | - | Settling ponds dug without archaeologist | SW |
| 267 | Site 1 (Area P) | - | Cut off ditch dug without archaeologist - breaking wire | E |
| 268 | Site 1 (Area P) | - | Gen shot of mast - line cut by machine | E |
| 269 | Site 1 (Area N) | - | Detail of road churned up | NW |

| Frame | Area | Context No. | Subject | Taken from |
|-------|-----------------|-------------|--|------------|
| 270 | Site 1 (Area E) | - | Detail of ducting at substation (top of hill) | E |
| 271 | Site 1 (Area A) | - | Shot of puncture | - |
| 272 | Site 1 (Area G) | - | General shot of drainage being dug) | S |
| 273 | Site 1 (Area G) | - | General shot of drainage being dug) | S |
| 274 | Site 1 (Area G) | Grouse butt | Gen shot of grouse butts location | NW |
| 275 | Site 1 (Area G) | Grouse butt | Gen shot of grouse butts location | NW |
| 276 | Site 1 (Area G) | Grouse butt | Gen shot of grouse butts location | NW |
| 277 | Site 1 (Area G) | Grouse butt | Detail of destroyed grouse butt | NW |
| 278 | Site 1 (Area G) | Grouse butt | Detail of destroyed grouse butt | NW |
| 279 | Site 1 (Area G) | Grouse butt | Detail of destroyed grouse butt | NW |
| 280 | Site 1 (Area G) | - | Detail of sdestroyed grouse butt location | NW |
| 281 | Site 1 (Area G) | - | Detail of hard standing stripping | W |
| 282 | Site 1 (Area M) | - | Large tree root uncovered in peat | - |
| 283 | Site 1 (Area L) | - | Widening of fork in road) | NW |
| 284 | Site 1 (Area G) | - | General view of view from site | NW |
| 285 | Site 1 (Area O) | Cairn | View from cairn looking towards other windfarm | NW |
| 286 | Site 1 (Area G) | - | Detail of destroyed grouse butt | NW |
| 287 | Site 1 (Area G) | - | Detail of destroyed grouse butt - recovered wood | - |
| 288 | Site 1 (Area M) | - | Stripping of track | NW |
| 289 | Site 1 (Area M) | - | Stripping of track | NW |
| 290 | Site 1 (Area M) | - | Detail of depth of peat | SE |
| 291 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | N |
| 292 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | N |
| 293 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | W |
| 294 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | W |
| 295 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | S |
| 296 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | S |
| 297 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | W |
| 298 | Site 1 (Area G) | Grouse butt | General shots of cleaned up grouse butt on tree line | W |
| 299 | Site 1 (Area G) | Grouse butt | Discarded original grouse butt sections of wood | NE |
| 300 | Site 1 (Area G) | Grouse butt | Discarded original grouse butt sections of wood | NE |
| 301 | Site 1 (Area G) | Grouse butt | Detail of discarded wood | W |
| 302 | Site 1 (Area G) | Grouse butt | Detail of discarded wood | W |
| 303 | N/A | - | Detail of 4x4 | - |
| 304 | N/A | - | Detail of 4x4 | - |
| 305 | N/A | - | Detail of 4x4 | - |
| 306 | N/A | - | Detail of 4x4 | - |
| 307 | N/A | - | Detail of 4x4 | - |
| 308 | N/A | - | Detail of 4x4 | - |
| 309 | N/A | - | Detail of 4x4 | - |
| 310 | N/A | - | Detail of 4x4 | - |
| 311 | N/A | - | Detail of 4x4 | - |
| 312 | N/A | - | Detail of 4x4 | - |
| 313 | N/A | - | Detail of 4x4 | - |
| 314 | N/A | - | Detail of 4x4 | - |
| 315 | N/A | - | Detail of 4x4 | - |

Black and White

| Frame | Area | Context No. | Subject | Taken from |
|-------|-----------------|-------------|---------------------------------|------------|
| 1 | Site 1 (Area A) | - | Shot of stripped area | NW |
| 2 | Site 1 (Area A) | - | Shot of stripped area | SE |
| 3 | ID SHOT | - | - | - |
| 4 | Site 1 (Area E) | Cairn | Shot of cairn near top compound | SE |

| Frame | Area | Context No. | Subject | Taken from |
|-------|-----------------|--------------|--|------------|
| 5 | Site 1 (Area E) | Plane Crash | General shots of wreckage | N |
| 6 | Site 1 (Area E) | Plane Crash | General shots of wreckage | N |
| 7 | Site 1 (Area E) | Plane Crash | Detail of propeller section | GEN |
| 8 | Site 1 (Area E) | Plane Crash | Close up of wing section | GEN |
| 9 | Site 1 (Area E) | Plane Crash | Close up of larger section of wing | GEN |
| 10 | Site 1 (Area E) | Plane Crash | Shot of outer lying wreckage | GEN |
| 11 | Site 1 (Area E) | Plane Crash | Shot of wreckage | S |
| 12 | Site 1 (Area E) | Plane Crash | Shot of engine | N |
| 13 | Site 1 (Area E) | Plane Crash | Shot of wreckage | NE |
| 14 | Site 1 (Area O) | Cairn | Junction for track leading to T11 | NW |
| 15 | Site 1 (Area O) | Cairn | Next to T14 | N |
| 16 | Site 1 (Area G) | Grouse Butts | View of grouse butt (Destroyed) | W |
| 17 | Site 1 (Area G) | Grouse Butts | View of grouse butt (Destroyed) | S |
| 18 | Site 1 (Area G) | Grouse Butts | Detail of PH remains plus wood remains | N |
| 19 | Site 1 (Area G) | Grouse Butts | General shot of excavated area | SE |
| 20 | Site 1 (Area G) | Grouse Butts | General shot of excavated area | NE |
| 21 | Site 1 (Area G) | Grouse Butts | Detail of "E" post hole remains | NW |
| 22 | Site 1 (Area G) | Grouse Butts | Detail of "W" post hole remains | NW |
| 23 | Site 1 (Area G) | Grouse Butts | Section of peat | SE |

Appendix G: DES

| | |
|--|--|
| LOCAL AUTHORITY: | |
| PROJECT TITLE/SITE NAME: | |
| PROJECT CODE: | |
| PARISH: | |
| NAME OF CONTRIBUTOR(S): | |
| NAME OF ORGANISATION: | |
| TYPE(S) OF PROJECT: | |
| NMRS NO(S): | |
| SITE/MONUMENT TYPE(S): | |
| SIGNIFICANT FINDS: | |
| NGR (2 letters, 6 figures) | |
| START DATE (this season) | |
| END DATE (this season) | |
| PREVIOUS WORK (incl. DES ref.) | |
| MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields) | |
| PROPOSED FUTURE WORK: | |
| SPONSOR OR FUNDING BODY: | |
| CAPTION(S) FOR ILLUSTRS: | |
| ADDRESS OF MAIN CONTRIBUTOR: | |
| EMAIL ADDRESS: | |
| ARCHIVE LOCATION (intended/deposited) | |

Appendix H: Project Design/WSI

GUARD 3134: Kelburn Wind Farm - Watching Brief Method Statement

1.0 Introduction

This document sets out GUARD Archaeology's watching brief methodology. The watching brief strategy includes monitoring of all topsoil and peat removal during the construction works associated with Kelburn Wind Farm and any hand excavation and recording of archaeological features discovered during the project and demarcation of known archaeological sites within the site boundary.

On completion of the watching brief a report to data structures level and an accompanying post-excavation research design (PERD) and costing (if appropriate) will be submitted for agreement with RES Ltd and West of Scotland Archaeology Service (WoSAS). The PERD if produced would also outline arrangements for final publication of the site.

2.0 Aims and Objectives

The aims and objectives of the archaeological watching brief are as follows:

- demarcate and protect known locations of archaeological activity in line with the written scheme of investigation and archaeological mitigation plan;
- establish the presence or absence of any archaeological remains during all ground-breaking work;
- determine the character, extent and significance of any archaeological deposits encountered;
- excavate and salvage any information possible from any significant features encountered.

3.0 Methodology

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

- All ground breaking work will be monitored by an archaeological supervisor assisted, where necessary, by other archaeologists and under the overall guidance of a project manager.
- The number of archaeologists required during the watching brief programme will be dependent on the number of machines being used at any one time.
- The topsoil and peat deposits will be removed in spits to the first archaeological horizon or, where none is present, to the natural subsoil. Any archaeological features encountered will be cleaned by hand to determine the date of the deposits, their character and extent. Such features will be recorded by written description on *pro forma* recording sheets, by photograph and by measured drawing.
- Any significant archaeological features encountered will be dealt with by the on-site archaeologists. Should negative-cut features be encountered they will be 50% excavated in order to determine their significance, date and function. In the event that they are deemed to be important discoveries, they will be fully excavated. Recording will include *pro forma* sheets, drawings and photographs.
- Suitable down time, up to a maximum of four hours per significant feature, will be provided to the on-site archaeologists in order to fully recover any archaeological evidence encountered during the watching brief.
- All archaeological finds will be dealt with by the on-site archaeological team. The general practice will be to bulk recover all artefacts by context where they are discovered in the topsoil or peat layers. Should finds be encountered from stratified and sealed layers they will be three-dimensionally recorded prior to up-lifting.
- All excavated feature fills and horizons will be sampled for palaeo-environmental evidence. This may also include micromorphological sampling in order to address key issues on soil development.
- Representative sections will be recorded during the works to denote depth of topsoil and peat, any stratigraphy present and the nature of the soil. This information will be logged in the day book together with a sketch drawn to scale and a photographic record of deposits.

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

4.0 **Products**

The products of a programme of work will be:

- a preliminary data structure report, after completion of all fieldwork suitable for submission to the Planning Authority, the NMRS and the local Sites and Monuments Record.
- a brief summary of results of the fieldwork will be submitted to *Discovery and Excavation in Scotland*.
- Post-excavation and publication of the results of the watching brief within an academic journal, should this be warranted.
- Preparation and disposal of the site archive and finds.

5.0 **Archive Arrangements**

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

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

6.0 **Timetable**

The construction programme at Kelburn commenced on the 4 June 2010 and is expected to continue until July 2011.

7.0 **Staffing**

The programme of archaeological watching briefs will be conducted by experienced Field Officers from GUARD Archaeology. CVs for all individuals concerned can be made available on request.

8.0 **Health and Safety and Insurance**

8.1

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

8.2

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

9.0 **Monitoring Procedures**

The construction programme at Kelburn will be internally monitored by John Atkinson, GUARD Archaeology's Managing Director.

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