Ardoch & Over Enoch Windfarm, East Renfrewshire: Archaeological Mitigation

Data Structure Report

by Katie Sludden, Liam McKinstry & Diane Gorman

issued 15th July 2014

on behalf of AOE Windfarms Ltd

RATHMELL ARCHAEOLOGY LTD

Quality Assurance

This report covers works which have been undertaken in keeping with the issued brief as modified by the agreed programme of works. The report has been prepared in keeping with the guidance of Rathmell Archaeology Limited on the preparation of reports. All works reported on within this document have been undertaken in keeping with the Institute for Archaeologists' Standards and Policy Statements and Code of Conduct.

Signed …….. Date ..15th July 2014...

In keeping with the procedure of Rathmell Archaeology Limited this document and its findings have been reviewed and agreed by an appropriate colleague:

Checked …….. Date ..15th July 2014...

Contents

Figures

Introduction

1. This Data Structure Report has been prepared for AOE Windfarms Ltd in respect to the construction of new wind farms at Ardoch and Over Enoch, East Renfrewshire. The archaeological works are designed to mitigate the impact on the archaeological remains within their development area to the agreement of the West of Scotland Archaeology Service.

2. The West of Scotland Archaeology Service (henceforth known as 'WoSAS') who advise East Renfrewshire Council on archaeological matters requested archaeological mitigation to manage the potential impact on archaeological remains. They have provided guidance on the structure of archaeological works required on this site during development works.

3. Rathmell Archaeology Limited were appointed by AOE Windfarms Ltd to undertake the development and implementation of archaeological mitigation works for the construction of new wind turbines at Ardoch and Over Enoch, East Renfrewshire in relation to the archaeological conditions from planning consents (2011/0629/TP), (2011/0630/TP) and (2012/0335/TP). On site works were carried out by Blackwell on behalf of AOE Windfarms Ltd.

4. The revised Method Statement (Turner and Rees, 2013) provides the detail of the works (monitoring, exclusion, excavation, post-excavation analyses and publication) for the mitigation pertaining to ground breaking and hence the direct physical impact on buried sediments. This Data Structure Report provides the detail of the works for the mitigation pertaining to all ground-breaking works and hence the direct physical impact on buried sediments.

Historical and Archaeological Background

5. The development area comprises five wind turbines and their logistical components (compound, substation, access tracks) spread over two distinct portions of land to the south of Eaglesham, East Renfrewshire. The first portion at Over Enoch comprises the sites of two turbine bases with associated access road and site compound. The access road runs southeast from the farmstead of Over Enoch along the north bank of the Netherton Burn (via Netherton Farm) and the turbine bases occupy elevated positions overlooking the burn at roughly 215m OD. The second portion comprises an access track which leaves an existing public road at South Bridge, and runs north to south (incorporating a dogleg to avoid the farm of Ardoch) before terminating at three turbine bases in elevated ground on the north bank of the Munzie Burn at between 230 and 250m OD.

6. No known significant archaeological sites were identified either within the development area (which comprises the footprint of access tracks, turbines and compounds) or the surrounding buffer. Extensive field survey has, however, been undertaken throughout the wider area, and this work has resulted in the discovery of a number of features which are worthy of consideration.

7. Prehistoric activity throughout the wider area is attested by a relatively dense concentration of monuments to the northeast of the development area. These include a probable cairn at Garret Law (Canmore No: 43916; WoSAS Pin: 8409) and 19th century references to the excavation of a cairn at East Revoch (Canmore No: 43954; WoSAS Pin: 8447). The presence of such features indicates that the area was occupied during the Bronze Age, and while there is no direct evidence for occupation in the succeeding Iron Age either within the study area or its immediate vicinity, it seems unlikely that there was a hiatus in either land use or occupation during this time.

8. During the medieval period, the lands of Ardoch formed part of the Lordship of Eaglesham, and were held by the Montgomerie family throughout this period. Documents referring to this landholding survive which allow its origins to be traced back to 1512, and while the early history of Over Enoch is less easy to disentangle, it is possible that the origins of this farm also stretch back into the medieval period.

9. Roy's map of 1752-55 (Figure 1a) shows the area prior to the agricultural improvements which were underway in lowland Scotland at this time. It shows a number of farms on each

land location (e.g. *Over* Enoch). The surrounding land is heavily cultivated by way of rig and furrow, and is largely unenclosed. Cultivation is concentrated upon elevated ground: those areas lying in close proximity to the Munzie and the Netherton burns remain uncultivated, an indication of the marshy nature of the ground here.

10. It seems reasonable to suggest that this is a relict landscape which shares common characteristics, in terms of settlement layout and density, with rural settlement originating much further back in the late or early post-medieval period. Traces of this relict landscape still survive, with elements recorded by a number of field surveys carried out within the area (e.g. Hunter & Hunter, 2007, *Archaeological Landscape Survey: Ardoch Farm, Eaglesham, East Renfrewshire*): features included trackways, agricultural and water management features, plus extensive tracts of extant rig-and-furrow cultivation, the presence of which suggests that subsequent land use has been relatively low intensity in order to leave traces of these earlier features visible.

11. The impact of the agricultural improvements is illustrated by the 1st Edition Ordnance Survey map of 1863 (Figure 1b). The density of steadings remains fairly consistent – Ardoch and Over Enoch are both shown in the same locations that were occupied a hundred years previously at the time Roy's map was surveyed (Figure 1a). However, their character has changed: the settlement clusters shown on Roy are replaced by a post-improvement farmhouse and steading occupied by one tenant. The surrounding landscape has been improved and enclosed, with improved ground extending to the banks of the burns, indicating large scale drainage works. There are also a number of small gravel pits and quarries, suggesting a trend towards small-scale mineral extraction.

Project Works

12. The development area consists of two wind farms, Ardoch and Over Enoch, with a total five wind turbines. These have been distinguished as two distinct portions of land, and for the purposes of this report have been treated as separate areas (Figure 2). Ardoch Wind Farm is located within the vicinity of Ardoch Farm, and consists of three turbine pads with their associated infrastructure: crane pads, substation, access road and site compound. The majority of monitoring works involved monitoring of the access track/haul road connecting the infrastructure on site. Over Enoch is located to the south-west of Over Enoch Farm and comprised two wind turbine pads with their associated infrastructure: crane pads, substation, access road and site compound as above for Ardoch.

13. As described in the revised Method Statement (Turner and Rees, 2013), the programme of archaeological mitigation works consisted of monitoring open area strips (including both site compounds), open area ground reduction for turbines bases, associated crane pads and hard-standing areas. The area strip works were monitored until the upper surface of the underlying natural subsoil was exposed or the on-site contractor's maximum working depth was reached.

14. The exception to the full monitoring response was for the construction of the access roads. Here, to ensure sound recognition of archaeological features and sites, a continuous axial trench some 2m broad was cut in advance of road construction to sample the footprint of the haul road route. The axial trench was located in the centre of the access road route and formed approximately one third of the full strip surface of the track, which was to be 6m wide.

15. The trench was cut by plant under direct archaeological supervision to a level defined by the archaeologist. This was either the upper surface of the underlying natural subsoil or the upper surface of the first significant archaeological horizon. The exposed surface was inspected by the archaeologist and features or strata of potential significance identified and recorded.

16. Mitigation works on-site took place between 26th July 2013 and 12th March 2014 intermittently. Monitored ground-breaking works and axial trenching were carried out using a mechanical 360° excavator with a drawn toothless bucket. Monitoring, recording and excavation were carried out in conjunction with the terms of the revised Method Statement (Turner and Rees, 2013).

Figure 1a: Extract from Roy's Military Map of 1752-55

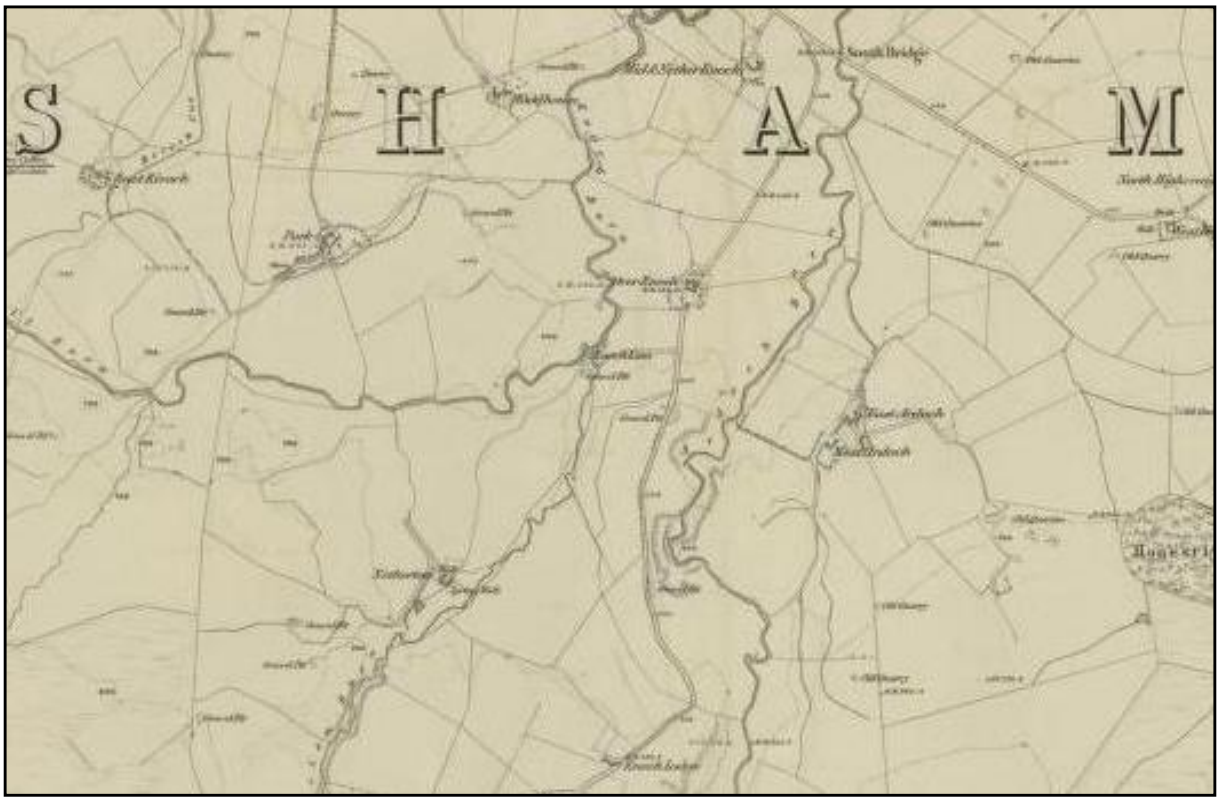
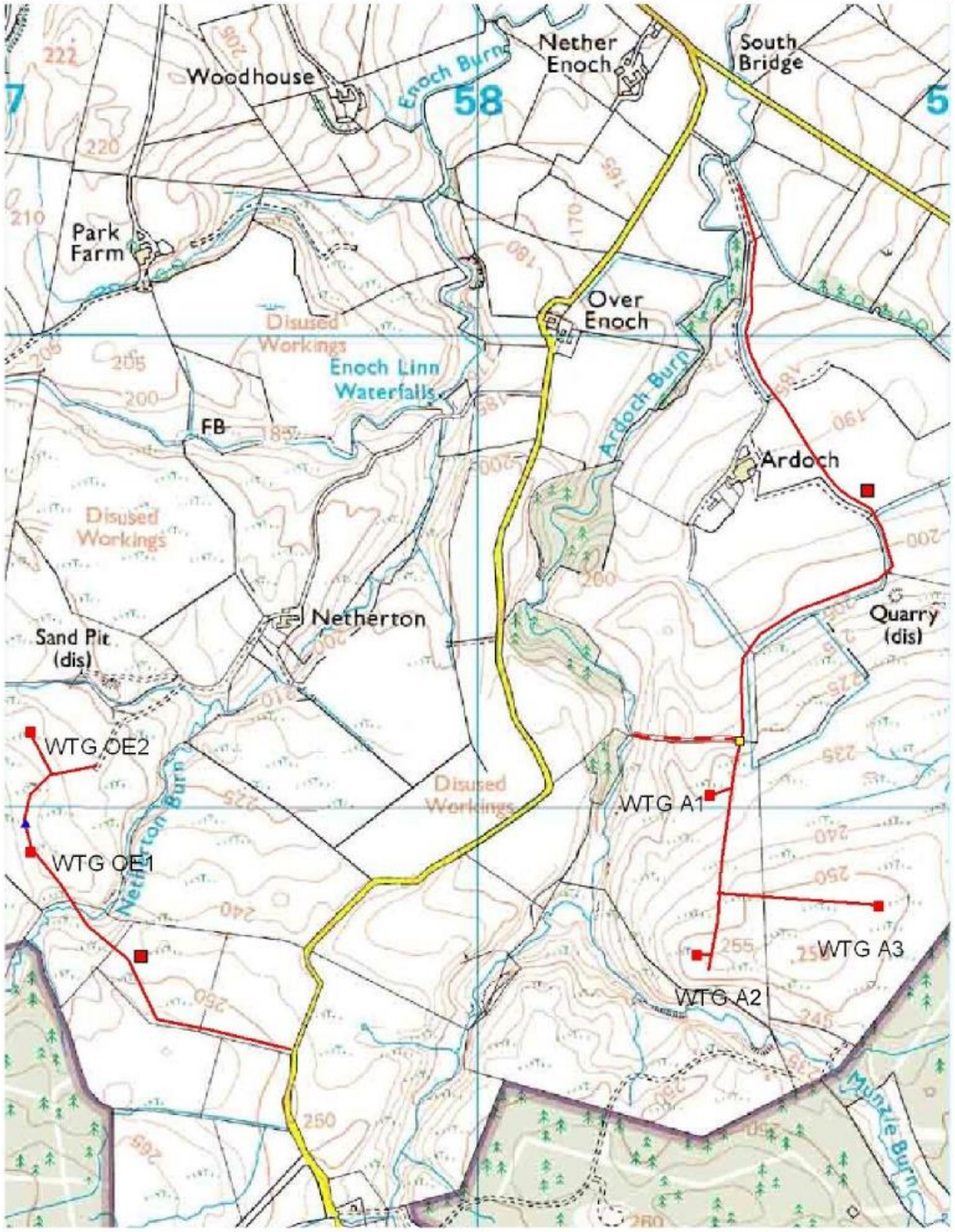


Figure 1b: Extract from 1st Edition Ordnance Survey map of 1863



RATHMELL ARCHAEOLOGY LTD
Head Office, Unit 8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU, Tel: 01294 542848
Dundee Office, 23 King Street, Broughty Ferry, DD5 1HE, Tel: 01382 339277
www.rathmell-arch.co.uk

Project Name	Ardoch and Over Enoch Windfarm
Project No.	RA12067
Title	Figure 2
Prepared by	KS
Date	July 2014
Reference No.	RA12067_002

Figure 2: Location Plan of Archaeologically Monitored Works

17. In compliance with the Method Statement (*ibid*) any potential archaeological features were investigated and recorded. All works complied with the West of Scotland Archaeology Service Standard Conditions, the Institute for Archaeologists' Standards and Policy Statements and Code of Conduct and Historic Scotland Policy Statements.

Findings

Ardoch

18. Mitigation at Ardoch took place intermittently between 26th July 2013 and 12th March 2014. The area from the bell-mouth entrance to the access road at Chainage 0 to Chainage 500 part way up the access road was stripped prior to the archaeologist's arrival on site. Archaeological mitigation of the access track therefore began at Chainage 500 onwards.

Access Road Axial Trenching (Chainage 500 to 4000)

19. The majority of mitigation at Ardoch was concerned with the excavation of the axial trench along the access road. The road begins at the bell-mouth at the public road site entrance and runs south, past Ardoch Farm and terminates north of Munzie Burn. The main road continues up to WTG A2, and spurs off in three places to accommodate WTG A1, WTG A3 and the sub-station. Excavation of the axial trench began at Chainage 500 and continues through both improved and unimproved agricultural land to include the three spurs, terminating west of WTG A2.

20. The overall depth of the axial trench varied according to location and the nature of the ground. The majority of the trench varies in depth from 0.3m to 0.6m and exposed topsoil (001) over natural subsoil deposits of bedrock, gravels and sandy clays (see Figure 3a). Generally, topsoil (001) was 0.2m to 0.3m in thickness, consisting of moderately compacted mid-brown sandy clay.

21. Excavation of the western ends of the WTG A1 spur and the sub-station spur encountered a waterlogged area. Here it was necessary to excavate the trench to a maximum depth of 0.8m for a maximum length of 10m in total for both spurs. This was excavated through 0.3m of topsoil (001) and 0.4m maximum depth of waterlogged grey sandy clay (013).

22. The axial trench exposed a number of modern agricultural services including modern land drains [012], red tile field drains [015], and rubble field drains [016] and a modern drainage ditch [010] (see Figure 3b). The red tile field drains were encountered in various locations throughout the axial trench at Ardoch, most notably in the western areas of WTG A1 and the sub-station spurs which were slightly waterlogged. The rubble drains occurred at various intervals throughout the axial trench. The land drains were encountered at approximately chainage 1240 and were orientated north-west to south-east. The drainage ditch was encountered at approximately chainage 1400 running north-west to south-east.

23. No significant archaeological features were encountered during the excavation of the axial trench at Ardoch.

Area Strips

24. Mitigation works regarding the reduction of area strips involved archaeological monitoring of topsoil removal to either the upper surface of the underlying natural subsoil or until maximum working depth was reached. The area stripped for the construction of the site compound (see Figure 4a) measured approximately 50m by 50m and was reduced to a depth of 0.2m. The majority of the area was reduced through topsoil (001) to expose subsoil (003), with occasional areas of topsoil remaining. Subsoil (003) was a grey mottled orange sandy clay.

25. Monitoring of the reduction of the compound revealed extensive modern plough scarring [009] across the upper limits of the subsoil, suggesting that any surviving archaeological features in this area would likely suffer from plough truncation at their upper limits. Occasional red tile field drains and rubble drains were noted below the plough scars.

26. No significant archaeological features were exposed during the compound strip.

27. The three turbine pads were located at the southern end of the access track. The most

northerly, WTG A1, ran directly off the track while WTG A2 and WTG A3 branched off the extreme southern end of the track to the southwest and the east. Each of the turbine pads were divided into a series of distinct areas. These areas included the main turbine platform measuring 10m by 10m, two laybys measuring 58m by 4m and 30m by 6m, and a parking area measuring 42m by 10.5m. Each of these areas were stripped to a depth of 0.15m. The topsoil revealed consisted of a mid to dark brown peat or clayey silt. The natural subsoil beneath comprised sandy clay gravels.

28. No significant archaeological features were found in any of the turbine pad areas.

29. The cable trench (see Figure 4b) which ran in an east-west direction from the Ardoch substation (located between turbines WTG A1 and WTG A2) towards the Over Enoch part of the scheme was partially monitored. A section of the cable trench had been previously disturbed and it was agreed that only a portion of its route may contain archaeological deposits and therefore only one section required monitoring. The area monitored ran from the access track to the immediate north of the substation, to the edge of a steep valley meeting Ardoch Burn to the west.

30. The trench was excavated initially with a toothless ditching bucket and subsequently with a V-shaped bucket and measured approximately 230m long by 1.8 to 2.5m wide by 1.2 to 1.4m deep. A drainage trench was also machine excavated using a small toothless bucket and was located approximately 5m to the south of the cable trench. The drainage ditch measured approximately 160m long by 0.6m wide by 0.4 to 0.7m deep.

31. Both trenches revealed a waterlogged topsoil (028), which was a mid to dark brown peat or clayey silt and had depth range of 0.3 to 0.45m. The natural subsoil (029) beneath consisted of a mid to red-brown clayey silt with occasional stone inclusions. Many of these stones appeared to be eroded most likely through water or frost action.

32. No significant archaeological features were found in either of the trenches.

Over Enoch

33. Mitigation at Over Enoch took place intermittently between 29th July 2013 and 24th September 2013.

Access Road Axial Trenching (Chainage 0 to 4000)

34. The majority of mitigation at Over Enoch was concerned with the excavation of an axial trench centred along the access road, as with that at Ardoch (see Figure 5a). The access road at Enoch partially incorporates an existing hardcore farm track which runs west to east along the southern limit of the site. The pre-existing track begins at the minor public road at the east side of the Over Enoch site, and continues west for approximately 200m. The new access road was constructed over or incorporates this existing track, which consists of rubble demolition material [1005]. Thus, archaeological mitigation was not carried out in the location of the existing access road.

35. The exception to this is the area incorporated within the bell-mouth at the eastern end of the Over Enoch site. Due to the bell mouth extending beyond disturbed ground, this secton of the access road was not excluded from mitigation works. In addition, a stretch of the new access road immediately west of the bell-mouth that did not incorporate the pre-existing track also required monitoring. In total, approximately 35m of the new access road at the east side of Over Enoch was monitored prior to excavation of the axial trench. This is included within the Area Strip section below.

36. The excavation of the axial trench along the route of the new access road subsequently commenced at chainage 200, and continued west to include the spurs for WTG OE1 and WTG OE2. At this point the new access road meets the existing Netherton farm access road to the north-east where no monitoring works were required.

37. The overall depth of the axial trench varied according to its location and the nature of the ground. The majority of the trench varied in depth from 0.29m to 0.93m and exposed topsoil (1001) and (1017) over natural subsoil deposits of bedrock, gravels and sandy clays. Generally, topsoil (1001) and (1017) was 0.12m to 0.5m maximum thickness,

consisting of moderately compacted mid-brown to mid grey sandy clay.

38. No significant archaeological features were encountered during the excavation of the axial trench at Over Enoch.

39. The axial trench exposed a number of modern agricultural services or other modern features including a field drain (1004) orientated north to south and a rubble track (1005) orientated west-northwest to east-southeast along the present field boundary. These were located within the axial trench running west-northwest from the bellmouth of the site entrance. Landscaping layer (1008) and a drainage or boundary ditch [1021] oriented north to south were located at approximately chainage 250.

Area Strips

40. The reduction of the bell-mouth area was monitored to either the upper surface of the underlying natural subsoil or the maximum working depth, dependant on the area (see Figure 6a). A total of 210m² was excavated within the bell-mouth area to an approximate depth of 0.3 to 0.5m. No archaeologically significant features were encountered.

41. The two turbine pads were located at the south-western end of the access road and to the north-west of the compound. The most southerly, WTG OE1 was located directly on the access road while WTG OE2 branched off on a spur to the northwest. Each of the turbine pads were divided into a series of distinct areas. These areas included the main turbine platform measuring 10m by 10m, two laybys measuring 58m by 4m and 30m by 6m, and a parking area 42m by 10.5m. Each of these areas was stripped to a depth of 0.15m. The topsoil consisted of a mid to dark brown peat or clayey silt. The natural subsoil beneath comprised sandy clay gravels.

42. Approximately half-way between the turbine locations at Over Enoch deposit (1018) was encountered (NS 57044 48979). This hillwash deposit contained some fragments of Bronze Age pottery <001> and <002>, which comprised the only artefacts recovered from monitoring works onsite. This is discussed further below in Artefact Recovery.

43. A series of four widenings, or pinch points, were sited along the farm road which ran to the south of the farm buildings at Over Enoch and between the Netherton and Ardoch Burns. Only pinch point 3 required monitoring and this only at its northern end (see Figure 6b). The excavations were halted as the depth and nature of the topsoil and subsoil, which were made up of waterlogged peats, made continued work untenable. It was then decided that pinch point 3 and the other pinch points would be floated over the existing ground level, negating the need for any further monitoring works in those areas.

44. Monitoring of the reduction of the compound revealed no significant archaeological features during the stripping process (see Figure 5b). The compound strip measured 25m by 50m by an average topsoil depth of 0.20m. The topsoil (001) consisted of a mid-brown sandy clay above (1012) subsoil, a light brown sand with patches of gravel in a sandy matrix.

Artefact Recovery

45. Monitoring across all areas uncovered two finds: <001>; 7 fragments of possible Bronze Age pottery and <002>; 5 fragments of burnt flint chunks. These were both recovered from deposit (1018) hillwash during monitoring of the axial trench at Over Enoch.

46. It was noted that a high ridge approximately 80m to the west of this trenching location at Over Enoch (NS 57044 48979) may be the origin for the artefacts recovered since no cut features or structures were encountered within the axial trenching itself. This ridge is the highest point in the surrounding landscape and so the objects are thought to have either migrated, through plough action or water action, in hillwash moving downslope from this location.

47. There were no other artefacts recovered from any of the other monitoring works.

Figure 3a: General view of Ardoch axial trench with compound in background from the south-east

Figure 3b: Pre-excavation view of drainage ditch (011) from the north

Figure 4a: View of plough marks in Ardoch compound area from the north-north-west

Figure 4b: Eastern stretch of the cable trench near the sub-station at Ardoch from the east.

Figure 5a: General view of the axial trench at Over Enoch from the west-north-west.

Figure 5b: Post excavation view of compound strip at Over Enoch from the south-west.

Figure 6a: Bellmouth area at Over Enoch stripped from the north-west.

Figure 6b: General view of pinch-point 3 trench before abandonment, from the north-north-east.

Discussion

48. Archaeological monitoring at Ardoch & Over Enoch Windfarm did not reveal any significant archaeological features.

49. No significant archaeological features or deposits were found within monitoring at Ardoch or Over Enoch. The thickness of the peat in places indicates an undisturbed formation of natural humic material; this in turn suggests long periods of inactivity, relatively free from human intervention. This is further supported by the significant lack of archaeological features cut into the subsoil in the area, including evidence of relatively modern activities, such as field drains.

Recommendations

50. The majority of archaeological monitoring works at Ardoch & Over Enoch Wind Farm exposed only sterile drift geology, indicating a distinct lack of human activity in the affected area of any significant date. That which was not sterile tended to indicate evidence of relatively recent human interference in the landscape. Due to this, no further works are recommended as a direct result of these monitoring works.

51. However the potential for archaeology and cultural heritage of a significant date should be considered if further works were to be carried out at the site. The recovery of Bronze Age pottery and burnt flint at Over Enoch suggests that the immediate surrounding landscape contains possible ancient remains. It is therefore recommended that if further intrusive ground breaking was proposed at this location, it would require further archaeological mitigation.

52. The appropriateness and acceptability of our recommendations rests with East Renfrewshire Council, and their advisors, the West of Scotland Archaeology Service.

Conclusion

53. A programme of archaeological mitigation was carried out from 26th July to 12th March 2014 on behalf of AOE Windfarms Ltd, in respect to the development of two new wind farms at Ardoch & Over Enoch, East Renfrewshire.

54. The archaeological works were designed to mitigate the impact on the archaeological remains within the development area. This was achieved by archaeological sampling of the access road by way of an axial trench along its proposed route and an archaeological watching brief on larger open strip areas.

55. It was also achieved by the archaeological monitoring of soft sediment excavation/ground reduction in preparation for the construction of the access road and additional works on site relating to infrastructure concerning the wind turbines and the access road.

56. Monitoring works on site revealed only sterile drift geology and disturbance relating to modern use of the area.

Acknowledgements

57. The authors would like to thank the client, AOE Windfarms Ltd, and the on-site contractors, CA Blackwell (Contracts), for their support throughout this project and for their kind input and editing. Thanks also goes to Paul Robins at WoSAS who has given guidance and direction.

References

Documentary

Turner, L and Rees, T., 2013 *Ardoch & Over Enoch: Archaeological Mitigation: Method Statement,* unpublished commercial document prepared by Rathmell Archaeology Ltd

Hunter & Hunter, 2007, *Archaeological Landscape Survey: Ardoch Farm, Eaglesham, East Renfrewshire*

Cartographic

1st edition Ordnance Survey, 1860, Ordnance Survey, http://maps.nls.uk/

3rd edition Ordnance Survey, 1910, Ordnance Survey, http://maps.nls.uk/

4th edition Ordnance Survey, 1940, Ordnance Survey, http://maps.nls.uk/

Roy's Military map of 1752-55, http://maps.nls.uk/roy/

Appendix 1: Registers

Within this appendix are all registers pertaining to works on-site during the monitoring works.

Context Register: Ardoch and Over Enoch

Context No.	Area/ Trench	Type	Description	Interpretation
001	Ardoch/Haul Road	Deposit	Mid brown moderately compact sandy clay containing occasional charcoal fragments, frequent roots, rare small stones, 350mm thick on average.	Topsoil
002	Ardoch/Haul Road	Deposit	Light to mid-brown with mid-orange and grey mottling moderately compact sandy clay containing occasional small stones, 20mm thick to limit of excavation	Natural geological deposit
003	Ardoch/Drainage Channel	Deposit	Friable, orange-grey slightly sandy moderately compact clay, 550mm thick to limit of excavation	Natural geological deposit
004	Ardoch/Drainage Channel	Deposit	Solid, crushed red brick fragments, 300mm thick, exposed 1m by 2m in plan to limit of excavation.	Hardcore, possible access track make up
005	Ardoch/Drainage channel	Deposit	Soft, mixed grey and orange sandy clay containing occasional red clay drain fragments and rare red brick fragments, mixed with topsoil, 300mm thick by 600mm wide as exposed to limit of excavation	Redeposited material associated with 004
006	Ardoch/Haul road Axial trench	Deposit	Mid brown stone and hard bedrock gravels.	Natural geological deposit
007	Ardoch/Haul road Axial trench	Deposit	Light orange light grey sandy clay containing occasional roots and occasional small to medium stones, >140mm thick to limit of excavation.	Natural geological deposit
008	Ardoch/Haul road Axial trench	Deposit	Friable light brown moderately compact sandy clay containing occasional small to medium stones	Natural geological deposit
009	Ardoch/Site compound	Cut	At least five, each Linear, E-W orientation, regularly spaced, 150mm to 200mm wide by <100mm deep, irregular, variable lengths.	Modern plough scars
010	Ardoch/Haul	Cut	Linear, NE-SW orientation, U-shape profile, 350mm wide by	Modern drainage ditch

Context No.	Area/ Trench	Type	Description	Interpretation
	road Axial trench		450mm deep, stone lined.	
011	Ardoch/Haul road Axial trench	Deposit	Loose dark grey/black sandy clay, poorly sorted frequent angular and sub angular stones	Fill of 010
012	Ardoch/Haul road Axial trench	Cut & Fill	Linear cut filled with modern material.	Modern drainage ditch
013	Ardoch/Spur to turbine base A1	Deposit	Soft grey with orange mottling sandy clay containing frequent small to medium stones, waterlogged.	Natural geological deposit
014	Ardoch/Spur to sub-station	Deposit	Firm orange & grey clay matrix containing small to medium angular stones.	Natural geological deposit
015	Ardoch/Haul road Axial trench	Cut & Fill	Red ceramic field drain	Field Drain
016	Ardoch/Haul road Axial trench	Cut & Fill	Rubble field drain	Field drain
017	Ardoch/		CONTEXT VOID	
018	Ardoch/		CONTEXT VOID	
019	Ardoch/		CONTEXT VOID	
020	Ardoch/		CONTEXT VOID	
021	Ardoch/Crane pad A1, Q1	Deposit	Friable, mid greyish brown clayey sand, containing frequent angular gravel, occasional rounded gravel and occasional stones < 10cm thick.	Topsoil
022	Ardoch/Crane pad A1, Q1	Deposit	Compact, light reddish brown slightly sandy clay containing frequent angular and rounded gravel, occasional manganese fragments, frequent angular and rounded stones >10cm, occasional angular stones > 20cm long.	Natural geological deposit
023	Ardoch/Crane Pad A3	Deposit	Firm blackish brown silty sandy clay, frequent small roots, and occasional pea gravel 150mm to 300mm thick.	Topsoil

Context No.	Area/ Trench	Type	Description	Interpretation
024	Ardoch/Crane Pad A3	Deposit	Firm mid bluish grey slightly sandy silty clay containing rare small angular stones 100mm thick.	Gleyed sub/ploughsoil
025	Ardoch/Crane Pad A3	Deposit	Firm light reddish brown slightly sandy clay, frequent large wood fragments, twigs, branches, bark, rare small angular degrading sandstone, frequent rootlets/grass like material 300-400mm thick	Part of peat build up
026	Ardoch/Crane Pad A3	Deposit	Firm dark brown slightly sandy clay, containing frequent wood fragments occasional angular and rounded stones 100-200mm thick	Horizon within peat build up
027	Ardoch/Crane Pad A3	Deposit	Soft to firm, very light grey slightly sandy clay, containing frequent degrading angular stones and occasional wood fragments	Leached/gleyed horizon
028	Ardoch Substation Cable Trench	Deposit	Mid to dark brown clayey silt (very peat-like in places) with very infrequent water eroded stone inclusions. Very waterlogged. Thickness varied between 0.3m and 0.45m.	Topsoil
029	Ardoch Substation Cable Trench	Deposit	Mid to dark red brown clayey silt with occasional small to medium sized stones and very infrequent larger stones (all of the stones appeared to have been water eroded).	Subsoil
1001	Over Enoch/Access road bell-mouth	Deposit	Soft, mid brown sandy clay with frequent roots, occasional small stones, darker orange mottling due to iron panning, 260mm thick.	Topsoil
1002	Over Enoch/Access road bell-mouth	Deposit	Friable, light orange with light grey mottling, slightly sandy clay containing occasional natural coal and sandstone.	Natural geological deposit
1003	Over Enoch/Access road bell-mouth	Deposit	Soft mixed, brown, orange light grey clayey sand, 330mm to limit of excavation.	Colluvial deposit
1004	Over Enoch/Access road bell-mouth	Cut	Linear, N-S orientation, 200mm wide, sealed beneath topsoil, cylindrical fired red clay drain.	Modern field drain
1005	Over Enoch/Haul	Deposit	Solid, mix of topsoil with gravel, containing red brick, yellow brick and red clay tile fragments, 300mm thick by 3m wide by 200m	Hard core track

Context No.	Area/ Trench	Type	Description	Interpretation
	Road Axial Trench		long.	
1006	Over Enoch/Haul Road Axial Trench	Deposit	Soft mixed light grey, brown and blue clay containing red brick and tile fragments.	Redeposited subsoil
1007	Over Enoch/Haul Road Axial Trench	Deposit	Light brown slightly sandy clay containing occasional small to medium stones, 140mm thick to limit of excavation.	Natural geological deposit
1008	Over Enoch/Haul Road Axial Trench	Deposit	Soft, medium rounded gravel in black peat deposit, 300mm thick.	Modern Made ground
1009	Over Enoch/Haul Road Axial Trench	Deposit	Very light brown-mid orange slightly sandy clay containing small to medium stones, 200mm thick to Limit of excavation.	Natural geological deposit
1010	Over Enoch/Haul Road Axial Trench	Deposit	Mid-orange silty clay containing small to medium sized stones, 200mm thick to limit of excavation.	Natural geological deposit
1011	Over Enoch/Haul Road Axial Trench	Deposit	Light mid-brown/yellow silty and containing frequent roots & gravel.	Natural geological deposit
1012	Over Enoch/Haul Road Axial Trench	Deposit	Light brown sand containing patches of gravel, 520mm thick to limit of excavation.	Natural geological deposit

Context No.	Area/ Trench	Type	Description	Interpretation
1013	Over Enoch/Haul Road Axial Trench	Deposit	Soft black peat, 0.13 - 1m thick, containing abundant roots.	Peat
1014	Over Enoch/Haul Road Axial Trench	Deposit	Friable light blue and light brown clay containing frequent angular & rounded stones, 150-300mm thick to limit of excavation.	Natural geological deposit
1015	Over Enoch/Pinch point 3	Deposit	Mixed grey clay containing red ceramic, 100mm thick.	Redeposited, made ground
1016	Over Enoch/Pinch point 3	Deposit	Dark brown humic peat formation, average 620mm thick.	Peat
1017	Over Enoch/Haul Road Axial Trench	Deposit	Friable, mid grey sandy clay containing frequent gravel and pebbles, occasional charcoal fragments, 100-200mm thick	Topsoil
1018	Over Enoch/Haul Road Axial Trench	Deposit	Firm, mid greyish brown clayey sand containing frequent stones, gravel and pebbles, rare charcoal fragments, 300-500 mm thick. Contained possible Bronze Age pottery fragments <001> and <002> burnt flint chunks. Plough-soil or probable colluvial formation.	Hillwash
1019	Over Enoch/Haul Road Axial Trench	Deposit	Variable bands of light reddish brown, compact sandy clay, light greyish brown clayey sand and compact grey, slightly sandy clay, all containing frequent gravel and occasional large stones.	Natural geological deposit
1020	Over Enoch/Haul Road Axial Trench	Deposit	Firm, mid brownish grey sandy clay containing frequent gravel and small stones. Very diffuse boundary with (1018).	Fill of [1021]

Context No.	Area/ Trench	Type	Description	Interpretation
1021	Over Enoch/Haul Road Axial Trench	Deposit	Linear, NNE-SSW oriented cut, >1.6m long by 0.59m wide by 0.27m deep. Sharp break of slope gradually sloping sides to an uneven base. Probably heavily truncated.	Drainage/field boundary ditch
1022	Over Enoch/Haul Road Axial Trench	Deposit	Friable, mid greyish brown clayey sand containing frequent gravel, 250mm thick.	Topsoil - Made ground
1023	Over Enoch/Haul Road Axial Trench	Deposit	Firm light greyish brown clayey sand containing frequent gravel & stones, 160mm thick.	Leached topsoil/ploughsoil - made ground
1024	Over Enoch/Haul Over Enoch/Road Axial Trench	Deposit	Firm, dark grey sandy clay containing frequent roots and grass, 50mm thick.	Buried turf
1025	Over Enoch/Haul Road Axial Trench	Deposit	Firm, bluish grey clay containing frequent gravel and occasional large stones, >400mm thick.	Gleyed clay deposit

Photographic Register: Ardoch

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
001					42	General shot, entrance at Ardoch	NW	26/07/2013
002					43	General shot, pre-existing stripped access track	NW	26/07/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
003					44	General shot, car park area	NW	26/07/2013
004					45	General shot, pre-stripped stoned haul road	NE	26/07/2013
005					46	General shot, entrance, car park and haul road	SW	26/07/2013
006					47	Haul road at Waypoint 826	N	26/07/2013
007					48	General shot, haul road from waypoint 827	N	26/07/2013
008					49	General shot of open strip, waypoint 828	N	26/07/2013
009					50	General shot of open strip, waypoint 828	S	26/07/2013
010					51	General shot of open strip, waypoint 828	S	26/07/2013
011					52	General shot of open strip, waypoint 828	N	26/07/2013
012					53	Tracks at Waypoint 830 (topsoil cut)	SE	26/07/2013
013					54	Bund at Waypoint 830	SW	26/07/2013
014					55	Sample section at Waypoint 830	E	26/07/2013
015					56	Haul road strip from Waypoint 832	S	26/07/2013
016					57	Haul road strip from Waypoint 832	N	26/07/2013
017					58	Haul road, end of strip at waypoint 837	NE	26/07/2013
018					59	Haul road end of strip at waypoint 837	S	26/07/2013
019					60	SI works, test hole south of Waypoint 837	S	26/07/2013
020					61	Test pit at Waypoint 838	S	26/07/2013
021					62	Test pit at Waypoint 841	S	26/07/2013
022					63	Test pit at waypoint 842	N	26/07/2013
023					64	Test pits/Prospective haul road walkover	N	26/07/2013
024					65	Compound Pre-ex walkover	N	26/07/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
025					66	Haul road from compound locale	NE	26/07/2013
026					67	Haul road route from compound locale	NE	26/07/2013
027					68	Haul road route from compound locale	S	26/07/2013
028					69	Haul road route from compound gate	NE	26/07/2013
029					70	Compound Pre-ex	SW	26/07/2013
030					071	Compound pre-ex from compound gate	S	26/07/2013
031					072	Compound pre-ex from compound gate	SE	26/07/2013
032					073	General shot, Ardoch end of strip 26-7-13	SE	26/07/2013
033					074	Pits at entranceway, nr main road	E	26/07/2013
034					075	Pit at entranceway, nr main road	W	26/07/2013
035						VOID		
036						VOID		
037						VOID		
038						VOID		
039						VOID		
040					081	Drainage trench near car park	NW	29/07/2013
041					082	West facing section of drainage trench near car park	W	29/07/2013
042					083	General shot, North terminal, drainage trench	WSW	29/07/2013
043					084	General shot, northern end drainage trench	NW	29/07/2013
044					085	General shot, drainage trench central area	N	29/07/2013
045					086	General shot, drainage trench central area	NE	29/07/2013
046					087	General shot, drainage trench central area	SW	29/07/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
047					088	General shot, drainage trench central area	WSW	29/07/2013
048					089	General shot, drainage trench central area	NE	29/07/2013
049					090	General shot, drainage trench South west end	NE	29/07/2013
050					091	General shot, drainage trench showing (005)	NE	29/07/2013
051					092	General shot, Drainage trench South west end	NE	29/07/2013
052					001	Haul road Axial trench Post -ex	SSW	31/07/2013
053					002	Haul road Axial trench Post -ex	S	31/07/2013
054					003	Sample section chain point 600	SW	31/07/2013
055					004	General shot from Ardoch farm	SE	31/07/2013
056					005	Working shot, Ardoch farm in background	NE	31/07/2013
057					006	Sample section at chain 650	SW	31/07/2013
058					007	General shot, haul road from Ardoch farm	S	31/07/2013
059					008	Sample section at chain point 550	NE	31/07/2013
060					009	General shot of axial trench from stoned haul road	N	31/07/2013
061					010	General shot, waterlogged pit, broken pipe in haul road	N	31/07/2013
062					011	Axial trench at Ardoch farm cottage gate end	E	31/07/2013
063					012	Post-ex view from Ardoch farm cottage	S	31/07/2013
064					013	Post-ex view from Ardoch farm cottage	S	31/07/2013
065					014	Sample section Axial trench 150m south of Ardoch	SW	01/08/2013
066					015	General shot post-ex haul road, south of Ardoch	S	01/08/2013
067					016	General shot, post, haul road from compound location	S	01/08/2013
068					017	Pre-ex shot, haul road, running south of compound	N	01/08/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
069					018	General shot of haul road access from compound	S	01/08/2013
070					019	Pre-ex view compound strip	N	01/08/2013
071					020	Working shot compound strip	NNW	01/08/2013
072					021	Post ex view compound strip	SE	01/08/2013
073					022	View of plough marks	NW	02/08/2013
074					023	View of plough marks with scale	NNW	02/08/2013
075					024	Working shot, compound strip	NW	02/08/2013
076					025	Post ex view compound strip	NW	02/08/2013
077					026	Post ex view compound strip	NE	02/08/2013
078					027	Post-ex view compound strip 5/8/13	NE	05/08/2013
079					028	Post-ex view completed compound strip	S	05/08/2013
080					029	General view, stripping field next to compound	N	05/08/2013
081					030	General view start of access strip, field adjacent to compound	N	05/08/2013
082					031	Section, haul road axial trench GPS point 911	W	05/08/2013
083					032	Section " " " GPS point 913	E	05/08/2013
084					033	Section " " " GPS point 915	W	05/08/2013
085					034	Pre-ex view of haul road, top of field	N	05/08/2013
086					035	General view of Axial trench and compound	SE	05/08/2013
087					036	General view of Axial trench and compound	SE	05/08/2013
088					037	General view of Axial trench and compound	SE	05/08/2013
089					038	General view of Axial trench and compound	SE	05/08/2013
090					039	North facing section, Axial trench	S	05/08/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
091					040	Post-ex view axial trench	S	05/08/2013
092					041	Pre ex view ditch [011]	N	06/08/2013
093					042	Pre-ex view ditch [011]	N	06/08/2013
094					043	Post ex view ditch [011]	NE	06/08/2013
095					044	East facing section, axial trench	W	06/08/2013
096					045	General view, post-ex axial trench	S	06/08/2013
097					046	Post-ex view axial trench	E	06/08/2013
098					047	South facing section axial trench	N	06/08/2013
099					048	Strip completed at start of day	S	07/08/2013
100					049	Pre-ex view, haul road	N	07/08/2013
101					050	Working shot towards anemometer at WTG A1	N	07/08/2013
102					051	Post-ex view Axial trench towards Ardoch Farm	S	07/08/2013
103					052	Post-ex view Axial trench towards Ardoch Farm	S	07/08/2013
104					053	Sample section, axial trench at anemometer	W	07/08/2013
105					054	Pre-ex view, axial trench leading to turbines 2 & 3	N	07/08/2013
106					055	Post-ex view over crest of hill showing drainage ditches	S	07/08/2013
107					056	View of ditches at crest of hill	ESE	07/08/2013
108					057	Working shot at WTGA2	NW	07/08/2013
109					058	Sample section at WTGA2	W	07/08/2013
110					059	Post-ex view haul road to WGTA2	S	07/08/2013
111					060	Post-ex view haul road to WGTA2, showing anemometer	S	07/08/2013
112					061	Pre-ex view, turbine base WTGA2	E	07/08/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
113					062	General shot towards anemometer from WTGA2	S	07/08/2013
114					063	Post ex view, end of haul road strip	N	07/08/2013
115					016	General shot from GPS point 982	NE	13/08/2013
116					017	General shot looking towards GPS point 982	SW	13/08/2013
117					018	Substation spur axial trench Section at GPS 984	NW	13/08/2013
118					019	General view of trench	NE	13/08/2013
119					020	Substation spur axial trench General view at GPS 987	NE	13/08/2013
120					021	General view end of spur road	NE	13/08/2013
121					022	SE Facing section, substation spur road	SE	13/08/2013
122					023	General view	NE	13/08/2013
123					024	SE Facing section, substation spur, trench rising up	SE	13/08/2013
124					025	SE Facing section, substation spur, South west end	SE	13/08/2013
125					026	General view of trench	SW	13/08/2013
126					027	Starting point, substation spur haul road	SE	13/08/2013
127					028	General view towards GPS 991	SW	13/08/2013
128					029	Section, substation spur, GPS point 991	NW	13/08/2013
129					030	General shot, towards GPS point 991	NW	13/08/2013
130					031	Proximity to fencing for wind mast	ENE	13/08/2013
131					032	General view of trench looking to GPS point 991	SW	13/08/2013
132					033	Section at GPS point 992	NW	13/08/2013
133					034	Section at GPS point 993	NW	13/08/2013
134					035	General view from GPS 997	SW	13/08/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
135					036	General view South west end of trench	NE	13/08/2013
136					18	Crane Pad A1 Pre-ex	NW	23/09/2013
137					19	Working shot, stripping A1, Q1	W	23/09/2013
138					20	Post-ex spur, A1, Q1	SE	23/09/2013
139					21	Post ex Crane pad a1, Q1	E	23/09/2013
140					22	Working shot, Pad A1, Q4	SW	23/09/2013
141					23	Post ex view Pad A1, Q4	NE	23/09/2013
142					24	Pre-ex view Pad A1, Q2	SW	23/09/2013
143					25	Section 1, Pad A1, Q1	ENE	23/09/2013
144					26	View along Q5, Pad A1	W	23/09/2013
145					27	Post-ex view, Pad A1, Q2	SW	23/09/2013
146					28	Post-ex view Pad A1, Q3	NW	23/09/2013
147					29	Post-ex view Pad A2, Q4	SE	23/09/2013
148					30	Post-ex view, Pad A2, Q3	W	23/09/2013
149					31	Working shot, Pad A2, Q1	S	23/09/2013
150					32	Working shot Pad A2, Q1, spur	SW	23/09/2013
151					33	Post-ex view, Pad A2, Q5	SW	23/09/2013
152					34	Post-ex view Pad A2, Q2	SE	23/09/2013
153					35	Field Drain Pad A3, Q1	SW	24/09/2013
154					36	Post-ex view Pad A3, east-west run, Q1	E	24/09/2013
155					37	Pad A3, Q1, N-S run, field drain	N	24/09/2013
156					38	Post-ex view, Pad A3, Q1, N-S run	SE	24/09/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
157					39	Pad A3, Q3, Post-ex view	S	24/09/2013
158					40	General view Pad A3, Q4, pre-ex	NE	24/09/2013
159					41	Discreet patch of branches/twigs in peat, Pad A3, Q4	N	24/09/2013
160					42	Post-ex view Pad A3, Q5	NW	24/09/2013
161					43	Working shot, peat removal Pad A3, Q2	E	24/09/2013
162					44	Section 2, Pad A3, Q2	S	24/09/2013
163					45	Post-ex view, Pad A3, Q2	W	24/09/2013
164					1	Pre excavation view of cable trench area (blue pegs marking route)	E	10/03/2014
165					2	Pre excavation view of cable trench area (blue pegs marking route)	E	10/03/2014
166					3	Pre excavation view of cable trench area (blue pegs marking route)	ENE	10/03/2014
167					4	View of sub-station	W	10/03/2014
168					5	Sub-station with end of trench layout (blue peg markers)	WSW	10/03/2014
169					6	View of 1st part of drainage trench (E end)	E	10/03/2014
170					7	View of middle stretch of drainage trench	E	10/03/2014
171					8	View of 1st part of drainage trench (W end)	E	10/03/2014
172					9	View of plant on opposite side of Ardoch Burn stuck in peat/clay.	E	10/03/2014
173					10	View of steep angle at western end of cable trench.	N	10/03/2014
174					11	Start of middle stretch and west end of cable trench.	E	10/03/2014
175					12	Diverted stretch of drainage trench.	NE	11/03/2014
176					13	Middle stretch of drainage trench.	E	11/03/2014
177					14	Middle stretch of drainage trench.	W	11/03/2014
178					15	East end of drainage ditch.	E	11/03/2014

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
179					16	View of Clyde valley with Ben Lomond in far background.	SE	11/03/2014
180					17	West end of cable trench.	E	12/03/2014
181					18	West end of cable trench near sub-station.	W	12/03/2014
182					19	West end of cable trench near sub-station.	E	12/03/2014
183					20	View of cable trench completed from access road.	SW	12/03/2014
184					21	West end of cable trench near sub-station (shows access gap).	NW	12/03/2014
185					22	West end of cable trench near sub-station (shows access gap).	NE	12/03/2014

Photographic Register: Over Enoch

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1001					76	General shot, compound location, Enoch	SW	26/7/2013
1002					77	General shot, over line of track	S	26/7/2013
1003					78	Shot of pre-excavated area, Enoch, 1st turbine	SE	26/7/2013
1004					79	General shot, gorge on N side of 1st turbine	S	26/7/2013
1005					80	General shot of whole area	S	26/7/2013
1006					093	General shot, bell-mouth at Enoch (looked like this on arrival)	SE	29/7/2013
1007					094	General shot, bell-mouth at Enoch (looked like this on arrival)	SE	29/7/2013
1008					095	General shot, rubble track at SE End of bell-mouth	NW	29/7/2013
1009					096	General, reduced area of bell-mouth	NW	29/07/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1010					097	General, context/location/landscape shot	NNE	29/7/2013
1011					098	General, reduced area of bell-mouth	N	29/07/2013
1012					099	Landscape shot	SW	29/7/2013
1013					100	Landscape shot	SW	29/07/2013
1014					101	Landscape shot	NW	29/07/2013
1015					102	Bell-mouth area (reduced)	NW	29/07/2013
1016					103	shot of rubble track (location of access track)	ENE	29/07/2013
1017					104	General, bell-mouth track	SSW	29/07/2013
1018					105	General, rubble track, gate and main road	SW	29/07/2013
1019					106	Landscape shot	SE	29/07/2013
1020					107	General shot, bell-mouth after stoning	NE	30/7/13
1021					108	General, bell-mouth after stoning	NE	30/07/13
1022					109	General, bell-mouth after stoning	NE	30/07/2013
1023					110	General, bell-mouth after stoning	NE	30/07/2013
1024					111	Start of stripping of access track at gate	E	30/07/2013
1025					112	As above close-up of hard-core material	E	30/07/2013
1026					113	General shot, stripping of access track area next to bell-mouth	N	30/07/2013
1027					114	general, stripped area of track with centre line of track	NE	30/07/2013
1028					115	Posts, mapping centre line of access track	NE	30/07/2013
1029					116	Line of access track marked by posts	NE	30/07/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1030					117	General, track near bell-mouth	SW	1/8/2013
1031					118	Start of axial trench	ENE	1/8/2013
1032					119	NW facing section trench- GPS 877	NW	1/8/2013
1033					120	NW facing section trench- GPS 878	NW	1/8/2013
1034					121	General shot of trench from GPS 879	WNW	1/8/2013
1035					122	Se facing section trench GPS 879	SE	1/8/2013
1036					123	General of trench at GPS 882	ENE	1/8/2013
1037					124	NW facing section of trench at GPS 882	NW	1/8/2013
1038					125	SE facing section of trench at GPS 882	SE	1/8/2013
1039					126	General, pre-ex shot of access track from GPS 885	NE	1/8/2013
1040					127	General, cut track from GPS 885	SW	1/8/2013
1041					128	Se facing section trench @ GPS 887	SE	1/8/2013
1042					129	General of trench, look SW	ENE	1/8/2013
1043					130	General of trench from GPS 888	NE	1/8/2013
1044					131	general of trench from (looking SW)	NE	1/8/2013
1045					132	SE facing section trench @ GPS 891	SE	1/08/2013
1046					133	NW facing section trench @ GPS 891	NW	1/08/2013
1047					134	General of trench @ GPS 891	NE	1/08/2013
1048					135	Finish point of access track & pylons	NE	1/08/2013
1049					136	Finish point of access track & pylons	NE	1/08/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1050					137	general of trench from GPS 892	SW	1/08/2013
1051					138	General, beginning of compound strip	SE	2/8/2013
1052					139	General, beginning of compound strip	SE	2/8/2013
1053					140	Compound strip	SE	2/8/2013
1054					141	Compound strip	SE	2/8/2013
1055					142	Post-ex of compound strip	SW	2/8/2013
1056					143	as above, in relation to access track	SW	2/8/2013
1057					144	Post-ex of compound strip	SW	2/8/2013
1058					145	Post-ex of compound strip	NE	2/8/2013
1059					146	New layout of access track from GPS 952	NE	6/8/2013
1060					147	New layout of access track from GPS 952	NE	6/8/2013
1061					148	New layout of access track (general)	NE	6/8/2013
1062					149	Bulldozed access track (looking NE from GPS 952)	SW	6/8/2013
1063					150	General, reduction of access track	NE	6/8/2013
1064					151	SE facing section of trench @GPS 953	SE	6/8/2013
1065					152	SE facing section of trench @GPS 954	SE	6/8/2013
1066					153	general, gap left between posts & pylons	NE	6/8/2013
1067					154	NW facing section of trench @ GPS 958	NW	6/8/2013
1068					155	General of trench looking NE GPS 959	SW	6/8/2013
1069					156	SE facing section of trench @GPS 959	SE	6/8/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1070					157	NW facing section of trench at GPS 961	NW	6/8/2013
1071					158	Waterlogged area @962	NE	6/8/2013
1072					159	(1013) Peat and (1014) subsoil and field drain	NE	6/8/2013
1073					160	stripping axial trench below goalposts	SW	7/8/2013
1074					161	stripping axial trench in peat	ENE	7/8/2013
1075					162	stripping axial trench in peat	ENE	7/8/2013
1076					163	section showing subsoil & peat	ENE	7/8/2013
1077					164	stripping axial trench through peat	ESE	7/8/2013
1078					165	stripping axial trench through peat	ESE	7/8/2013
1079					166	stripping axial trench through peat	ESE	7/8/2013
1080					167	stripping axial trench through peat	ESE	7/8/2013
1081					168	SE facing section of axial trench (peat)	SE	7/8/2013
1082					169	NW facing section of axial trench (peat)	NW	7/8/2013
1083					170	Backfilled peat & continued trench	E	7/8/2013
1084					171	General shot of axial trench reduction	E	7/8/2013
1085					172	General shot of axial trench reduction	ESE	7/8/2013
1086					173	Finish point at burn	NE	7/8/2013
1087					174	Finish point at burn	NE	7/8/2013
1088					175	General shot of backfilled peat (trench)	SW	7/8/2013
1089					176	General shot of trench looking to burn	NE	7/8/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1090					001	Pre-ex N end pinch point 3	SW	12/08/2013
1091					002	Pre-ex N end pinch point 3, Enoch Farm	NNE	12/08/2013
1092					003	Pre-ex Central area, Pinch point 3	N	12/08/2013
1093					004	Pre-ex Central area, Pinch point 3	NNW	12/08/2013
1094					005	Pre-ex S end pinch point 3	NW	12/08/2013
1095					006	Pre-ex, central, engineer mark lines	SE	12/08/2013
1096					007	NW Facing section through peat, topsoil and redeposited	NW	12/08/2013
1097					008	SE Facing section through peat topsoil & redeposited material	SE	12/08/2013
1098					009	General shot, N end of trench	N	12/08/2013
1099					010	NW Facing section through peat, topsoil & redeposited material	NW	12/08/2013
1100					011	NW Facing section through peat, topsoil & redeposited material	NW	12/08/2013
1101					012	NW facing section showing subsoil at base	NW	12/08/2013
1102					013	NW facing section showing subsoil at base	NW	12/08/2013
1103					014	General shot, end of day extent	SSW	12/08/2013
1104					015	General shot, end of day extent	NNE	12/08/2013
1105					1	General view, axial road strip area	SE	12/09/2013
1106					2	General view existing strip	N	12/09/2013
1107					3	Working shot initial stripping	S	12/09/2013
1108					4	Ditch cut [021]	E	12/09/2013
1109					5	Ditch cut [021]	S	12/09/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1110					6	General view, road trench from burn	S	12/09/2013
1111					7	View along plateau on road trench	N	12/09/2013
1112					8	View of area prehistoric pottery recovered towards 'earthwork'	E	12/09/2013
1113					9	General working shot	W	12/09/2013
1114					10	View of natural gravel spread	S	12/09/2013
1115					11	General view modern disturbance	SW	12/09/2013
1116					12	Pre ex view turbine spur	WSW	12/09/2013
1117					13	Section 2	N	12/09/2013
1118					14	Section 2	N	12/09/2013
1119					15	View of completed strip from turbine area	W	12/09/2013
1120					16	General view boggy land Post-Ex	E	12/09/2013
1121					46	Crane Pad OE1 Post-ex Q1, NE-SW strip	NW	24/09/2013
1122					47	Crane Pad OE1 Post-ex Q1, N-S strip	N	24/09/2013
1123					48	Crane Pad OE1, Field drain NW-SE strip	N	24/09/2013
1124					49	Crane Pad OE1, Post-ex NW-SE strip	NE	24/09/2013
1125					50	Crane Pad OE1, Q4 post-ex showing made ground remnant	N	24/09/2013
1126					51	Crane Pad OE1, Q3 Post-ex	N	24/09/2013
1127					52	Crane Pad OE1, Q5 working shot	NNW	24/09/2013
1128					53	Crane Pad, OE1 Q5 3rd Strip post-ex	NNW	24/09/2013
1129					54	Crane pad OE1, Q2 post-ex	W	24/09/2013

Image No.	Print		Slide		Digital	Description	From	Date
	Film No.	Neg. No.	Film No.	Neg. No.				
1130					55	General view Crane pad OE2 prior to excavation	W	24/09/2013
1131					56	Crane pad OE2 Q1, 1st trench pre-ex	N	24/09/2013
1132					57	Crane Pad, OE2, Q1 1st trench post ex	N	24/09/2013
1133					58	Crane Pad OE2, Q1, 2nd trench post-ex	NE	24/09/2013
1134					59	Crane pad OE2, Q3, post-ex	NNW	24/09/2013
1135					60	Crane Pad OE2 Q4 post-ex	N	24/09/2013

Drawing Register: Ardoch and Over Enoch

Drawing No.	Sheet No.	Area/Trench	Drawing Type	Scale	Description	Drawn By	Date
001	1	Ardoch Crane Pad A1, Q1	Section	1:10	Representative section	SGT	23/9/2013
002	1	Ardoch Crane Pad A3, Q4	Section	1:10	Representative Section	SGT	23/9/2013
1001	2	Over Enoch Road Haul Axial Trench	Section	1:10	Ditch [1021]	SGT	13/9/2013
1002	2	Over Enoch Road Haul Axial Trench	Section	1:10	Soil profile made ground	SGT	13/9/2013

Finds Register: Ardoch and Over Enoch

Finds No.	Area / Trench	Context No.	Material Type	Description	Excavator	Date
001	Axial Trench Over Enoch	1018	Ceramic	7 fragments of possible Bronze age pottery recovered from (1018) hillwash.	ST	12/09/2013
002	Axial Trench Over Enoch	1018	Lithic	5 fragments of burnt flint chunks recovered from (1018) hillwash.	ST	12/09/2013

Appendix 2: Discovery & Excavation in Scotland

LOCAL AUTHORITY:	East Renfrewshire
PROJECT TITLE/SITE NAME:	Ardoch & Over Enoch Windfarm
PROJECT CODE:	RA12067
PARISH:	Eaglesham
NAME OF CONTRIBUTOR:	Diane Gorman
NAME OF ORGANISATION:	Rathmell Archaeology Limited
TYPE(S) OF PROJECT:	Archaeological Monitoring
NMRS NO(S):	None
SITE/MONUMENT TYPE(S):	None
SIGNIFICANT FINDS:	None
NGR (2 letters, 8 or 10 figures)	NS 58565 49104 (Centred)
START DATE (this season)	26th July 2013
END DATE (this season)	12th March 2014 (intermittently)
PREVIOUS WORK (incl. *DES* ref.)	None
MAIN (NARRATIVE) DESCRIPTION: (may include information from other fields)	A programme of archaeological mitigation works was undertaken between the 26th July 2013 and 12ty March 2014 in respect of the construction of a new wind farm at Ardoch & Over Enoch, East Renfrewshire. Archaeological Works consisted of an archaeological sampling in the form of an axial trench through proposed access tracks and monitoring of area strips for the formation of compounds, turbine bases / pads, substations and control buildings. Additional works were undertaken between 10th March and 12th March 2014 on a cable trench linking the Ardoch and Over Enoch wind farms. Archaeological monitoring works were also undertaken with regards to the ground reduction/soft sediment excavation in preparation for the construction of the access road and additional works on site relating to infrastructure concerning the wind turbines and the access road. Monitoring works on both stages of works revealed only sterile drift geology and disturbance relating to modern use of the area. Cessation of monitoring works occurred in certain areas, prior to their completion, due to a demonstrable absence of significant archaeology within similar adjacent landscapes within the footprint of the new wind farm development.
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	None
SPONSOR OR FUNDING BODY:	AOE Windfarms Ltd
ADDRESS OF MAIN CONTRIBUTOR:	Unit 8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU
E MAIL:	contact@rathmell-arch.co.uk
ARCHIVE LOCATION (intended/deposited)	Report to West Of Scotland Archaeology Service and archive to RCAHMS Collections.

Contact Details

58. Rathmell Archaeology can be contacted at our Registered Office or through the web:

Rathmell Archaeology Ltd
Unit 8 Ashgrove Workshops
Kilwinning
Ayrshire
KA13 6PU

www.rathmell-arch.co.uk

t.: 01294 542848
f.: 01294 542849
e.: contact@rathmell-arch.co.uk

59. The West of Scotland Archaeology Service can be contacted at their office or through the web:

West of Scotland Archaeology Service
Charing Cross Complex
20 India Street
Glasgow
G2 4PF

www.wosas.org.uk

t.: 0141 287 8332/3
f.: 0141 287 9259
e.: enquiries@wosas.glasgow.gov.uk

End of Document