ARECLEOCH WINDFARM EXTENSION

Technical Appendix 10.1: Peat Landslide Hazard and Risk Assessment

Prepared for: ScottishPower Renewables

SLR Ref: 405.00481.00049
Version: 2
June 2019

BASIS OF REPORT

This document has been prepared by SLR reasonable skill, care and diligence, and taking account of the manpower, timescales and resources devoted to it by agreement with ScotishPower Renewables (the Client) as part or all of the services it has been appointed by the Client to carry out. It is subject to the terms and conditions of that appointment.

SLR shall not be liable for the use of or reliance on any information, advice, recommendations and opinions in this document for any purpose by any person other than the Client. Reliance may be granted to a third party only in the event that SLR and the third party have executed a reliance agreement or collateral warranty.

Information reported herein may be based on the interpretation of public domain data collected by SLR, and/or information supplied by the Client and/or its other advisors and associates. These data have been accepted in good faith as being accurate and valid.

The copyright and intellectual property in all drawings, reports, specifications, bills of quantities, calculations and other information set out in this report remain vested in SLR unless the terms of appointment state otherwise.

This document may contain information of a specialised and/or highly technical nature and the Client is advised to seek clarification on any elements which may be unclear to it.

Information, advice, recommendations and opinions in this document should only be relied upon in the context of the whole document and any documents referenced explicitly herein and should then only be used within the context of the appointment.

CONTENTS

DOCUMENT REFERENCES

TABLES

PHOTOGRAPHS

ANNEXES

FIGURES

1.0 Introduction

SLR Consulting Ltd (SLR) was commissioned by ScottishPower Renewables (SPR) to undertake a peat landslide hazard and risk assessment at the proposed Arecleoch Windfarm Extension. The proposed Development would be located near the village of Barrhill in South Ayrshire, centred on NGR NX 19194 80689. The Site location is identified in **Figure 10.1.1**.

The purpose of this report is to consider the potential risk of peat landslides occurring at the Site such that suitable controls and appropriate methodologies can be employed during the construction and commissioning of the windfarm to mitigate against these risks. This report presents the findings of the peat slide hazard and risk assessment based on the data obtained by peat depth surveys which were peat depth and coring surveys which were undertaken by MacArthur Green in November 2018 and February 2019 [1, 2] (**Technical Appendices 10.6 and 10.7**).

The work has been undertaken by a team of geologists, with over 15 years' experience in undertaking peat assessments. The team was led by an Engineering Geologist with 35 years' experience in geology (B.Sc.) and engineering (M.Sc.) and over 15 years in renewable energy. He has managed and undertaken geotechnical risk registers and peat landslide and hazard risk assessments for windfarms, electricity infrastructure including substations, overhead and buried cabling routes. He has successfully completed over 25 PLHRA's under the original guidance (2005) and recent guidance 2017.

The methods adopted for the assessment follow the best practice guidance [3] issued by the Scottish Government for investigation, assessment and reporting for windfarms in peat areas.

1.1 Background

The importance of assessing the stability of peat deposits in relation to windfarm developments came to the fore as a result of peat failures during the construction of Derrybrien[4] Windfarm in Ireland in 2003. Although no fatalities were associated with these failures, there was a significant environmental impact. Windfarms tend to be constructed in high moorland areas which are primarily associated with significant peat deposits (typically blanket bogs). There is a potential for peat instability to occur, particularly where deposits are in excess of 1 m deep. Peat instability is influenced by many factors, including, but not limited to, peat thickness, hill slope gradient, underlying geology and subsurface hydrology.

1.2 Objectives of Report

The Peat Stability Assessment is primarily concerned with the influence of the peat on the proposed Development.

The main objective is to assess the potential peat stability at the proposed windfarm Site, identify areas of potential concern and identify mitigation measures to ensure the maintenance of peat stability before, during and after construction. All aspects of construction should be based on ensuring minimum disruption to the peat areas.

The objectives have been achieved by completion of the following:

- Review of historic peat depth data provided by SPR (for Arecleoch Windfarm);
- Geomorphological mapping of the Site to identify the prevailing conditions influencing the potential for, or any evidence of, active, incipient or relict peat instability, including identification of the location and photographic record, as appropriate;
- Reporting on evidence of any active, incipient or relict peat instability, and the potential risk of future instability, describing the likely causes and contributory factors;
- Identification of potential controls to be imposed on the Contractors for the Works to minimise the risk of peat instability occurring at the proposed Arecleoch Windfarm Extension site; and
- Provide recommendations for further work or specific construction methodologies to suit the ground conditions at the Site to mitigate any unacceptable risk of potential peat instability;
- A site visit was undertaken in August 2018 by SLR to gain a preliminary understanding of the Site and to verify survey data and review areas of concern, such as watercourse crossings, deep peat where identified, borrow pit and substation locations.
- Probing has been undertaken in two phases, firstly by MacArthur Green (**Technical Appendix 10.6**) in November 2018 (**Technical Appendix 10.7**) to a 100 m^2 grid across the Site and secondly a detailed survey by MacArthur Green in February 2019, targeting key areas of infrastructure around tracks and turbine locations. The results have been used to produce a peat thickness and peat landslide risk and hazard map. Further details are given in subsequent sections of this report.

---

[1] MacArthur Green (April 2019), Arecleoch Windfarm Extension, Phase 1 Peat Depth Survey & Information to Inform an Assessment of Blanket Mire Condition, Technical Appendix 10.6.
[2] MacArthur Green (April 2019), Arecleoch Windfarm Extension, Phase 2 Peat Depth and Coring Survey, Technical Appendix 10.7.
[3] Peat Landslide Hazard and Risk Assessment (Scottish Government, December 2006)
[4] Lindsay, R.A. and Bragg, O., (2004), 'Windfarm and Blanket Peat, The Bog Slide of 16th October 2003 at Derrybrien, Co. Galway, Ireland'. University of East London

1.3 Site Location and Description

The proposed Arecleoch Windfarm Extension Site is located near the village of Barrhill in South Ayrshire, centred on NGR NX 19194 80689 identified in **Figure 10.1.1**.

The Site is located on the National Forest Estate approximately 3 km south west of Barrhill in South Ayrshire, centred on NGR NX 19194 80689. The majority of the Site is located within the South Ayrshire Council (SAC) area. The entrance to the Site is within the Dumfries and Galloway Council (D&GC) area. Access to the Site for turbine deliveries would be via the existing entrance at Wheeb Bridge on the A714. The Site is characterised by a Plateau Moorland landscape covered mainly by commercial forest and encompasses the western side of Shiel hill (228.4 m AOD). A number of small tributaries run through the Site and feed the Water of Tig, Cross Water and Haw Burn. These three water courses then in turn feed into the Duisk River and River Stinchar.

Site access would be along the A75 to the unclassified road past Newton Stewart where they would join the A714. This route has previously been used during the construction of Arecleoch and Kilgallioch Windfarms.

Photograph 1-1: General View across Arecleoch Windfarm Extension towards Arecleoch Windfarm
Photograph Location: 21900, 581300, Direction of View: North

The proposed Development comprises a 13 turbine (tip height of 200 m) windfarm with associated infrastructure including:

- turbine foundations;
- crane hardstandings;
- transformer/switchgear housings located adjacent to turbines;
- new and upgraded access tracks including watercourse crossings where necessary;
- underground cabling;
- substation compound including control buildings, external equipment and ancillary grid service equipment/battery storage;
- one permanent anemometer mast;
- up to three temporary Power Performance Masts;
- close circuit television mast(s);
- communication mast(s);
- site signage;

- search areas for up to six borrow pits; and
- one temporary construction compound area.

1.4 Scope Report

The scope of the report is primarily concerned with the influence of peat on the design, construction and operation of the proposed Development and secondly to minimise the disturbance of peat, if it is present.

The principle objective was to assess the extent of organic peat (>0.5 m) and peaty soils (<0.5 m) on the Site, with the purpose of identifying instability at the Site, areas of potential concern and any mitigation measures required to ensure the maintenance of peat stability before, during and after construction.

This information should allow development options to be considered so that where possible, there is minimum disruption to peat areas by avoidance of deeper peat through design consideration.

The objective was achieved by completion of the following:

- Review of geological, hydrological and topographical information;
- Geomorphological mapping of the Site to identify the prevailing conditions influencing the potential for, or any evidence of, active, incipient or relict peat instability, including a photographic record and identification of their location and report on the potential risk of future instability, describing the likely causes and contributory factors;
- Identifying potential controls to be imposed on the construction contractor to minimise the risk of peat instability occurring at the proposed Development; and
- Provide recommendations for further work or specific construction methodologies to suit the ground conditions at the proposed Development to mitigate any unacceptable risk of potential peat instability.

Probing has been undertaken in two phases, initially to a 100 m^2 grid across the Site and secondly by targeting key areas of infrastructure around tracks and turbine locations. The results have been used to produce a peat thickness and peat landslide risk and hazard map. Further details are given in subsequent sections of this report.

1.4.1 Topographic Surveys

All of the surveys were based on 5 m DTM data which was used to determine slopes across the Site and to determine slope coefficient (score) factors at each probe hole location. The Site has been characterised into slope classes and a slope plan produced to identify slope areas where potential gradients are more or less susceptible to slope failure mechanisms.

1.4.2 Aerial Photography Interpretation

The aerial photography reviewed shows changes in vegetation on the ground, and it is also possible to identify stream courses, ditches, and roads/tracks. The aerial photographs were used in conjunction with the Site DTM data to identify the major geomorphological features such as the breaks of slope and landslips (where present).

Interpretation of available aerial photographs was undertaken to assess and identify evidence of historic peat instability. The photographs were examined to highlight features of interest, including:

- possible extension and/or compression features;
- areas of historic failure scars and debris;
- evidence of peat creep;
- areas with apparently poor drainage;
- areas with peat drift recorded on steep slopes;
- areas with concentrations of surface drainage networks; and
- steeply incised stream cuttings within peat deposits; and
- historic peat workings.

From the aerial photograph and topographic survey interpretation no significant features or obvious evidence of concern were identified that indicate evidence of peat instability which warranted further attention, mainly due to extensive forest cover. Only limited aerial photography was available, dating back to 2005, with aerial photographs in 2014 and 2017.

None of these features demonstrate any significant evidence of failure in the vicinity of the proposed Development. A summary of the geomorphology of the Site is included in **Figure 10.1.8**. Areas of potential peat coverage are highlighted along with areas where bedrock is likely to outcrop at surface.

1.4.3 Peat Landslide Hazard and Risk Assessment

The purpose of a peat landslide hazard and risk assessment (PLHRA) is to identify those parts of the Site that are naturally susceptible to a higher risk of instability so that they can be avoided or accommodated through design consideration. It should be noted that all peat slopes have a risk of instability and the vast majority of peat slope failures occur naturally.

Construction of a windfarm would only increase the risk of peat slope instability if good geotechnical construction practice is ignored and it is a requirement of all windfarm developments to follow a very carefully worded and designed Construction and Environmental Management Plan (CEMP) which uses many of the recommendations of the peat landslide hazard and risk assessment.

Without the guidance contained in a Construction Method Statement or CEMP, the following factors would increase the risk of instability:

- construction of access tracks;
- excavation and stockpiling for foundations;
- construction of hardstanding area; and
- blocking of natural drainage, inappropriate new drainage or drainage discharge.

It is important to note that peat instability and the impacts of any instability are not constrained by artificial site or ownership boundaries but by topographic and geomorphologic boundaries. It is therefore important to ensure that the breadth of scope of any assessment adequately covers the real extent of possible impact.

The risk assessment is based on ground models developed using a Geographical Information System (GIS) specifically for this Site. A numerical analysis was undertaken in which coefficients were allocated for each of the factors influencing peat stability and their impact on possible receptors. This aspect is described in greater detail in **Section 5.0**.

The conceptual layout of the turbines and access routes, the findings from the peat probing, sampling and analysis were used by the design team to optimise the turbine layout to avoid or mitigate areas of unacceptable peat slide risk. The layout presented in the figures represents the final iteration of the turbine layout.

This system outlined above was developed in accordance with the guidelines on PLHRA by the Scottish Government (SG) for the investigation, assessment, and reporting for windfarms in peat areas. The analysis and interpretation is based upon the results obtained from this process as well as previous experience and the results of case studies elsewhere. Where deviations from this guidance have occurred, this is highlighted and explained in the text.

1.5 Geological Setting

1.5.1 Superficial Geology

The principal soil type underlying the Site is peat with areas of peaty gleys and brown soils along many of the watercourse valleys. Rare units of peaty gleyed podzols exist within the application boundary, most notably at the watercourse crossing of Cross Water (WX01). Mineral gleys and Brown soils have been recorded along the existing access track to the A714, west of Barrhill. Along the larger watercourses at lower altitudes (Water of Tig and River Cree) alluvial soils are observed within and along watercourses.

British Geological Survey mapping shows the Site to be almost entirely underlain by peat, with alluvium mapped around the Water of Tig, Pollingowan Burn and River Cree. Hummocky features are identified as glacial till with superficial deposits absent on some hill tops.

The Superficial geology of the Site is detailed in **Figure 10.1.2 – Superficial Geology**.

1.5.2 Solid Geology

The geology of the Site comprises Ordovician age sedimentary rocks of the Barrhill Group.

The Site is almost entirely underlain by greywacke of the Kirkcolm Formation with narrow bands of the Galdenoch Formation. All of the proposed turbines are underlain by the Kirkcolm Formation. Faulting within the region is generally on a south west - north east trend. There are two minor faults mapped within the application boundary, cross-cutting the proposed access track, the Glen App Fault is present outside the application boundary, to the north west. The fault is defined by a change in lithology, to the younger Dalreoch Formation.

The solid geology of the Site is shown in **Figure 10.1.3**. Details of the geological units present onsite and immediately adjacent to Site are detailed in **Table1-1.**

Table 1-1: Solid Geology Summary

Age	Stratigraphic Group	Unit	Description
Ordovician (458 – 449 Ma)	Barrhill Group (Leadhills Supergroup)	Galdenoch Formation	Sandstone/Siltstone turbidite sequence comprising predominately greywacke within the application boundary.
		Kirkcolm Formation	Massive wacke and siltstone turbidite sequence.
	Tappins Group (Leadhills Supergroup)	Dalreoch Formation	Sandy and pebbly greywackes.

1.5.3 Mining and Quarrying

There have been no historic mining or quarrying activities within the Site, with the exception of the rock extracted on the Site as part of the borrow pits for the original Arecleoch Windfarm site.

1.5.4 Hydrogeology

The solid geology underlying the Site is classified as a low productivity aquifer, where flow is virtually through fractures and discontinuities. Small amounts of groundwater may be present in the near surface weathered zone and within secondary fractures.

2.0 Peat Instability

This section reviews the nature of peat and how current and past activities can influence stability. The factors which are likely to influence the potential for peat instability are:

- significant peat depths over impermeable bedrock or minimal soil;
- the presence of slope gradients greater than 4° (approximately) and general topography;
- natural drainage paths;
- evidence of past failures, including soil creep;
- drainage features at the base of slopes which could lead to undercutting;
- forestry plantations and artificial drainage;
- recent climate patterns.

It should be noted that peat instability is not a recent phenomenon and there is documentary evidence of peat landslides dating back over 500 years[5]. Many landslides that involve peat have no human interference that could be considered as a trigger and this should be borne in mind when considering the susceptibility of a site to potential instability.

2.1 Background Information Regarding Peat

Peat is found in extensive areas in the upland and lowland regions of the UK and is defined as the partly decomposed plant remains that have accumulated in-situ, rather than being deposited by sedimentation. When peat forming plants die, they do not decay completely as their remains become water logged due to regular rainfall. The effect of water logging is to exclude air and hence limit the degree of decomposition. Consequently, instead of decaying to carbon dioxide and water, the partially decomposed material is incorporated into the underlying material and the peat 'grows' in-situ.

Peat is characterised by low density, high moisture content, high compressibility and low shear strength, all of which are related to the degree of decomposition and hence residual plant fabric and structure. To some extent, it is this structure that affects the retention or expulsion of water in the system and differentiates one peat from another.

Lindsay[6] defined two main types of peat bog, raised bog and blanket bog, which are prevalent on the west coast of Europe along the Atlantic seaboard. In Britain, the dominant peat land is blanket bog which occurs on the gentle slopes of upland plateaux, ridges and benches and is predominantly supplied with water and nutrients in the form of precipitation. Blanket peat is usually considered to be hydrologically disconnected from the underlying mineral layer.

There are two distinct layers within a peat bog, the upper acrotelm and the lower catotelm. The acrotelm is the fibrous surface to the peat bog[7], typically less than 0.5 m thick; which exists between the growing bog surface and the lowest position of the water table in dry summers. Below this are various stages of decomposition of the vegetation as it slowly becomes assimilated into the body of the peat.

For geotechnical purposes the degree of decomposition (humification) can be estimated in the field by applying the 'squeezing test' proposed by von Post and Grunland[8] (1926). The humification value ranges from H1 (no decomposition) to H10 (highly decomposed). The extended system set out by Hobbs[9] provides a means of correlating the types of peat with their physical, chemical and structural properties.

The relative position of the water table within the peat controls the balance between accumulation and decomposition and therefore its stability, hence artificial adjustment of the water table by drainage requires careful consideration.

---

[5] Smith, L.T., (Ed) (1910), 'The literary of John Leland in or about the years 1535-1543.' Vol.5, Part IX. London: AF Bell and Sons.
[6] Lindsay, R.A., (1995), 'Bogs: The ecology, classification and conservation of Ombrotrophic Mires.' Scottish Natural Heritage, Perth
[7] Ingram, H.A.P., (1978), 'Soil layers in mires: function and terminology'. Journal of Soil Science, 29, 224-227.
[8] Von Post, L. and Grunland, E., (1926), 'Sodra Sveriges torvillganger 1' Sverges Geol. Unders. Avh., C335, 1-127.
[9] Hobbs, N.B., (1986), 'Mire morphology and the properties and behaviour of some British and foreign peats.' Quarterly Journal of Engineering Geology, London, 19, 7-80.

2.1.1 Peat Shear Strength

In geotechnical terms, the shear strength of a soil is the physical characteristic that provides stability and coherence to a body of soil. For mineral soils such as clays or sands, such strength is variously given by an inter-particle friction value and cohesion. Depending whether the mineral soil is predominantly cohesive (clay) or non-cohesive (sand) governs which of the components of strength control the behaviour of the soil.

For peat soils, where the major constituent is organic and there is likely to be little or no mineral component, the geotechnical definition of shear strength does not strictly apply. At present there is no real alternative method for defining the shear strength of peat, therefore the geotechnical definition is generally adopted, in the knowledge that it should be used with great caution.

As noted before, the acrotelm or near surface peat comprises a tangle of fresh and slightly rotted roots and vegetable fibres. These roots and fibres impart a significant tensile shear strength capacity to the material which provides it with a significant load carrying capacity. The acrotelm is, in effect, a fibre reinforced soil.

In the more decomposed catotelm, the tensile shear strength is reduced as the roots and fibres become more rotted. However, the loss in strength due to decomposition is off-set to a limited degree, by a gain in strength due to the overburden pressure. In geotechnical engineering there is an established relationship for recently deposited soils, between the shear strength of a sample and the thickness of overburden above it.

Consequently it is almost impossible to predict a shear strength profile in peat and attempts to measure the shear strength using normal geotechnical methods can be misleading. Typical values of shear strength from hand shear vanes would be in the range 10-60 kilopascal (kPa) although values over 100 kPa have been recorded in peat elsewhere. The higher strengths are almost certainly the influence of roots or other non-decomposed material. It is believed that the strength of peat should be quoted as a cohesion value as there are few, if any, discrete particles to give the material a significant frictional resistance. It should be noted, however, that any quotation of shear strength for peat should be treated with extreme caution.

2.1.2 Peat Stability – Factors to be Considered

There is considerable observational information relating to debris and peat flows although the actual mechanisms involved in peat instability are not fully understood. The main influences on slope stability are geological, geotechnical, geomorphic, hydrological, topographic, climatic, agricultural and human influences such as drainage and construction activity. Peat is affected to a degree by changes in any of the above list and it is vital to appreciate that changes to the existing equilibrium would affect the level of slope stability during construction and operation of the scheme.

Some of the contributory factors to peat instability are summarised below:

- The geographical limits which could be affected by potential instability are not confined to the artificial boundaries imposed by land ownership; landslip occurring above a site could affect the site and property down slope or downstream of the site for several kilometres;
- Agriculture and grazing has a substantial effect on peat areas and this can be compounded in areas that have been managed to improve grazing. Grazing compacts the peat surface reducing the rainwater infiltration and the additional nutrients change the ecological balance of the original peat bog. Agricultural management can include surface drainage and periodic burning, both of which can leave the surface of the peat bare for a period of time resulting in temporary desiccation of the surface. Subsequent wetting of the peat and resumption of peat accumulation results in the former desiccated and possibly ash covered surface (following burning) being incorporated into the body of the peat which introduces a weak discontinuity in the profile; this in turn becomes another unknown factor in the stability assessment.
- Forestry has a substantial effect on slope stability particularly in the early stages as the creation of a forest involves disruption of the natural equilibrium and drainage of the slopes and the installation of artificial drains by deep ploughing. The construction of access tracks further disrupts the drainage and concentrates groundwater flow into narrow, fast flowing erosive streams. The work by Winter el al[10] noted that forest tracks can act to retard or concentrate the down slope flow of water and thus aid its penetration into the slope below. Such a mechanism has been observed at a number of recent landslips that have affected the road network in Scotland.
- Natural Drainage – some of the precipitation falling onto a natural upland peat bog would be absorbed into the low permeability catotelm peat. However, most of the water would run-off as sheet flow through upper, high permeability acrotelm. Thus the water is transmitted to the lower slopes in a reasonably controlled manner through a range of interconnections that operate at different scales and speed. Failure to understand this and to disrupt the transmission process for the groundwater could result in instability.
- Artificial Drainage – where agricultural drainage has been used to improve the quality of the grazing or to promote forestry it reduces the overall volume of water entering the bog and transfers this water to the edges more rapidly. This can result in ditches and streams becoming enlarged, causing increased erosion and a greater silt burden in the stream water.

2.2 Peat Mass Stability

The principal surface indicator of peat slide potential is cracking of the peat land surface and it is the identification of crack patterns in the field and the attendant causes of the cracking that is fundamental to a Peat Stability Assessment.

Sites that have exhibited natural instability in the past are likely to be more susceptible to future instability during and following construction of a windfarm, therefore it is important to identify such instability as part of the Peat Stability Assessment.

[10] Winter, M.R., Macgregor, F. and Shackman, L. (2005a), 'Scottish tracks networks landslide study' Trunk tracks: network management division, published report series. The Scottish Government.

2.2.1 Types of Failure

The result of instability in peat is the down-slope mass movement of the material; there are a number of definitions of peat instability which are used to characterise the type of failure. A brief description is given below:

- Bog Bursts or Bog Flows – the emergence of a fluid form of well humified, amorphous peat from the surface of a bog, followed by the settling of the residual peat, in-situ[11];
- Peat Slides – the failure of the peat at or below the peat/ substratum interface leading to translational sliding of detached blocks of surface vegetation together with the whole underlying peat stratum11; and
- Bog slide – an intermediate form of instability where failure occurs on a surface within the peat mass with rafts of surface vegetation being carried by the movement of a mass of liquid peat.

2.2.2 Bog Bursts

Accounts of bog bursts are generally associated with very wet climates or areas which have received storm rainfall events. Bog bursts can be associated with particularly wet peat landscapes; therefore it is possible to identify broad regions of a higher susceptibility to these failures. The constraints used to identify the areas of higher susceptibility to bog burst failure are given below:

- Peat thickness in excess of 1.5 m with no upper limit;
- Shallow gradients, generally within the range of 2 to 10°, peat thicker than 1.5 m is generally not observed on slopes steeper than 10°, also moisture content is generally reduced on steeper slopes due to drainage;
- Ground which is annually waterlogged to within the upper 1 m below ground level, (the groundwater level may rise above this but rarely falls below)[12];
- Greater humification of the lower catotelm within the waterlogged ground; and
- Lower surface tensile strength of the fibrous peat and vegetation.

The humified mass can be considered as analogous to a heavy liquid and the stability of this mass is maintained by the strength of the surface or acrotelm peat. Should the surface become weakened through erosion or desiccation or the construction of a surface drainage ditch for agricultural or forestry reasons or through turbary (peat cutting), failure is made more likely.

2.2.3 Peat Slides

Peat slides tend to be translational failures with a defined shear surface at or close to the interface with the substrate.

The factors generally considered to influence susceptibility to peat slide failures are listed below:

- peat depth up to 2 m;
- slope gradients between 5° and 15°;
- natural or artificial drainage cut into the surrounding peat landscape;
- greater humification of the lower catotelm within the waterlogged ground; and
- lower surface tensile strength of the fibrous peat and vegetation.

It is noted that some of the factors causing instability are common to both bog bursts and peat slides.

The peat – substrate interface is the primary zone of failure and is enhanced by elevated water content at this boundary and softening or weathering of the lower mineral surface. For this reason, any investigation or probing should try to distinguish the nature of the lower mineral substrate.

2.2.4 Bog Slides

A bog slide is a variation on a peat slide where part of the peat mass is subject to movement, usually on an internal layer of material, which may be more prone to movement, such as an interface between the acrotelmic and catotelmic layer.

---

[11] Dykes, A.P and Kirk, K.J., (2001), 'Initiation of a multiple peat slide on Cuilcagh Mountain, Northern Ireland.' Earth Surface Processes and Landforms, 26, 395-408.
[12] Crisp, D.T., Dawes, M. & Welch, D. (1964), 'A Pennine Peat Slide', The Geographical Journal, Vol 130, No4, pp519-524.

2.2.5 Natural Instability

The stability of a peat mass is maintained by a complex interrelationship of many factors, some of which may not be immediately obvious. Key factors include sloping rock head and proximity to a water body. Rainfall often acts as the trigger after the slope has already been conditioned to fail by natural processes.

It should also be remembered that peat bogs are growing environments and that there would come a time, on sloping ground, where the forces causing instability, i.e. the weight of the bog, can no longer be resisted by the internal strength of the peat and its interface with the underlying mineral surface. At this point, failure would occur.

The weight of the peat bog or any soils mantling steep hill slopes would be increased during periods of very heavy rain and it is common to see landslips occurring following extreme rain events. This may be a concern for future developments where one of the predicted effects of global warming will be a greater frequency of extreme weather, intense storms being one element.

3.0 Site Work

3.1 Peat Depth and Peat Core Survey

A detailed peat depth survey was undertaken in 2 phases within the proposed Development area. Probing was completed across a 100 m grid across the Site and then around infrastructure locations, along existing and proposed track routes.

3.1.1 Phase 1 – MacArthur Green (2018)

An initial peat depth survey was undertaken by MacArthur Green in November 2018 (**Technical Appendix 10.6**) within the proposed Development area. The area was surveyed on a 100 m^2 grid with approximately 882 probes sampled.

3.1.2 Phase 2 – MacArthur Green (2019)

A detailed peat depth survey was undertaken by MacArthur Green in February 2019 (**Technical Appendix 10.7**) within the proposed Development area. Probing was completed across the Site around infrastructure locations, along existing and proposed track routes (881 probes). A peat coring survey to gather data on the nature of the peat deposits present was also undertaken at key areas of proposed infrastructure as detailed in **Table 3-1**: Peat Core Locations in **Table 3-1** below.

Table 3-1: Peat Core Locations

Sample Core ID	X	Y	Proposed Infrastructure*
B055	220711	580590	Substation
B093	219904	580841	Borrow Pit 5
T059	219038	579261	Turbine 11
T117	219985	580410	Turbine 9
T204	219774	581117	Turbine 1
T262	218078	581522	Turbine 5
T320	218758	581958	Turbine 3

3.1.3 Methodology

The surveys carried out followed best practice guidance for developments on peatland[13, 14].

[13] Scottish Renewables & SEPA (2012) 'Developments on Peatland Guidance on the Assessment of Peat Volumes, Reuse of Excavated Peat and the Minimisation of Waste'.
[14] Scottish Natural Heritage (SNH), SEPA, Scottish Government & James Hutton Institute. (2014)' Peat Survey Guidance; Developments on Peatland: Site Surveys'

Peat Depth Analysis

The initial phase of peat probing was completed by MacArthur Green on a 100 m^2 grid.

The second phase of peat probing (881 probes) carried out by MacArthur Green aimed to supplement the original data by providing a greater resolution of detail around areas of proposed infrastructure.

The following methods were employed during the second phase of probing:

- The lines of proposed new tracks were probed at approximately 50 m intervals along the entire length, with additional probe points where thick peat was identified;
- Turbine, substation, compound and borrow pit search locations were probed on an approximately 10m x 10m grid around the centre of each infrastructure footprint;
- Sample locations were generated using Geographic Information System (GIS) and downloaded onto hand-held Geographic Positioning System (GPS) devices which were used to locate sample points in the field; and
- A fibre glass peat depth probe was used to each sample point to establish peat depth.

The peat depth data was provided to SLR and uploaded into various figures and analysis assessments included within this report.

Peat Coring

Peat coring was undertaken by MacArthur Green in February 2019. The following methods were employed:

- a core was taken at each turbine location, substation, construction compound and potential borrow pit search area using a Russian Auger;
- the full depth of peat was cored at each location in 50 cm sample depth intervals; and
- a photographic record and description of the peat was recorded for each core sample.

A full record of peat core data, including photographs is included within the MacArthur Green report dated April 2019[2] (**Technical Appendix 10.7**)

4.0 Slope Stability/Ground Conditions

The stability of slopes is dependent upon the shear strength of the soil to resist the disturbing forces due to the weight of the soil, the effects of the groundwater and other disturbing influencing forces.

The level of stability of a slope is normally assessed by reference to the factor of safety which is expressed, numerically, as the degree of confidence that exists, for a given set of conditions, against a particular failure mechanism occurring. It is commonly expressed as the ratio of the load or action which would cause failure against the actual load or actions likely to be applied during service. This is readily determined for some types of analysis (e.g. limit equilibrium slope stability analyses).

4.1 Shear Strength

The strength of the peat in the upper acrotelm is significantly influenced by the root and fibres that are abundant in this layer. There are many influences on the stability of the peat and observing or measuring high shear strength should not be used to assume a high degree of stability.

4.2 Stability Risk Assessment

It is apparent that the stability of peat is complex and the numerous inter-relationships that affect the stability are not fully understood.

The problem with a quantitative assessment is that it requires a numerical input and the analysis cannot account for the unquantifiable input required for a comprehensive Peat Stability Assessment. For this reason, a purely quantitative assessment should only be considered as a guide and that a qualitative assessment of stability should be used to provide the final recommendations.

A stability risk assessment was undertaken to evaluate the risk of instability occurring associated with the construction of the turbine bases and access tracks at the proposed Arecleoch Extension Windfarm.

The peat found on the proposed Arecleoch Windfarm Extension Site was cored during Phase 2 at seven of the proposed infrastructure locations. There are two distinct layers within a peat bog, as described in Section 2.1.

Acrotelm was recorded at only one sample location, with the remaining six samples locations indicating no discernible acrotelm due to the expanse and effects of commercial conifer plantation. Sample T059 was recorded as having an acrotelm of just 1 cm, with further locations showing disturbed ground from tree felling or a conifer needle layer.

The depth of acrotelm was logged from each core sample with a variable depth between 0.01 and 0.38 m bgl with a mean depth of 0.158 m. Full details are included within **Table 4-1**. Two distinct layers (detailed in **Table 4-2**) were observed and range from the following, based on the Von Post [8] classification:

- the fibrous zone which was generally found in the upper 0 – 10.5 cm ranging from H3 – H4;
- the intermediate pseudo fibrous zone ranging from H5 – H6; and

- the amorphous zone, was not identified.

Table 4-1: Depth of Acrotelm in Peat Core Samples

Sample Core Location	Depth of Acrotelm (m)	Environment
Substation	Not identified – impacted by forestry	Conifer plantation
Borrow Pit 5	Not identified – impacted by forestry	Conifer plantation
Turbine 11	0.01	Conifer plantation
Turbine 9	Not identified – impacted by forestry	Conifer plantation
Turbine 1	Not identified – impacted by forestry	Conifer plantation
Turbine 5	Not identified – impacted by forestry	Conifer plantation
Turbine 3	Not identified – impacted by forestry	Conifer plantation

Table 4-2: Von Post Classification in Peat Core Samples

Sample Core Location	Fibrous Zone		Intermediate Zone		Amorphous Zone	
	Depth (m)	Von Post Classification	Depth (m)	Von Post Classification	Depth (m)	Von Post Classification
Substation	0 – 0.15	H3	Not identified within core sample.		Not identified within core sample.	
Borrow Pit 5	0 – 0.26	H3	Not identified within core sample.		Not identified within core sample.	
Turbine 11	0 – 0.34	H3	Not identified within core sample.		Not identified within core sample.	
Turbine 9	0 – 1.0	H4	1.0 – 4.5	H5-H6	Not identified within core sample.	
Turbine 1	0 – 0.36	H4	Not identified within core sample.		Not identified within core	

Sample Core Location	Fibrous Zone		Intermediate Zone		Amorphous Zone	
					sample.	
Turbine 5	0 – 0.5	H4	Not identified within core sample.		Not identified within core sample.	
Turbine 3	0 – 0.5	H4	Not identified within core sample.		Not identified within core sample.	

4.3 Results

The results of the probing exercise are detailed in the following sections and the peat depths identified onsite are shown in **Figure 10.1.4** – Peat Depth Plan.

4.3.1 Peat/Peaty Soils

The peat was found to vary across the Site in terms of thickness and coverage. The majority of probes (approximately 78 %) across both phases of peat probing identified peat (greater than > 0.5 m) and peaty soils less than 1m thick. **Figure 10.1.5** details the peat depth greater than >0.5 m i.e. not peaty soils.

Northern section

Five of the proposed turbine locations are situated in this area. Peat deposits are thinnest, with peat averaging <0.72 m with several watercourses including the Water of Tig flowing to the north.

Central section

Seven of the proposed turbine locations are situated in this area. Peat deposits are thicker, with peat averaging <1.52 m with several watercourses including the Water of Tig flowing to the north and Cross Water flowing to the east.

Southern section

Only one of the proposed turbine locations is situated in the central section. Although peat deposits are thick (~2.06 m), the proposed turbine can be accessed via existing tracks in a thinner peat area. The White Loan drains across the Site towards the east.

The slopes onsite are detailed in **Figure 10.1.6** – Slope Plan. When viewed in conjunction with the Peat Depth Plan (**Figure 10.1.4**), it is evident that the peat is generally concentrated on the flatter expanses that mimic the topographic flat lying areas. Peat deposits are thickest in the flat expanse across the central and southern portions of the Site and limited where the ridge is present and falls to the east of the Site and towards the north. There are several watercourses that drain through the flat expanse in the central area and southern area where the deep peat deposits are present, shown in **photograph 4-1**.

Photograph 4-1: Flat Deep peat Areas in Central Zone of site

Photograph Location: 260305, 903049, Direction of View: North

A total of 1781 probe holes were undertaken across both survey phases, with the results summarised in **Table 4-3** below.

Table 4-3: Peat Probing Data

Peat Thickness (m)	No. of Probes	Percentage (of total probes undertaken onsite)
0 (no peat)	14	0.8
0 – 0.5 (peaty soil)	577	32.4
0.51 – 1.0 (thin peat)	567	31.8
1.01 – 1.5 (thin peat)	162	9.1
1.51 – 2.0 (thick peat)	122	6.9
2.01 – 2.5 (thick peat)	92	5.2
2.51 – 3.0 (thick peat)	59	3.3
3.01 – 4.0 (thick peat)	58	3.3
4.01 – 5.0 (thick peat)	37	2.1
>5.01 (thick peat)	38	2.1

In summary the peat depth probing has shown that:

- approximately 65 % of probes intersected peaty soils/peat <1.0 m thick;
- approximately 35 % of peat probes undertaken across the entire Site found peat in excess of 1 m thick;
- peat is generally limited to topographically flat lying areas with peat generally limited on steeper slopes.

The underlying soil/peat thickness at each location was recorded and the data used to draw the interpreted peat thickness map, presented as **Figure 10.1.4**.

4.3.2 Substrate

The assessment of the underlying substrate from the probing data was interpreted as predominately glacial soils and weathered bedrock. Bedrock was identified in outcrop and close to surface on many of the topographically high areas. **Photograph 4-2** shows the typical bedrock outcrop onsite (Kirkholm Formation).

Photograph 4-2: Bedrock outcropping

Photograph Location: 228000, 587000, Direction of View: north west

4.4 Description of Ground Conditions at Turbine Locations

Table 4-4 outlines the ground conditions found at each proposed turbine location.

Table 4-4: Ground Conditions at Proposed Turbine Locations

Turbine No.	Peat Thickness (m)	Peat Conditions	Slope (degrees)
1	0.51	Thin Peat	4.3
2	0.47	Peaty Soil	3.3
3	0.70	Thin Peat	10.0
4	0.21	Peaty Soil	5.0
5	0.92	Thin Peat	3.2
6	0.50	Thin Peat	3.5
7	0.67	Thin Peat	1.2
8	0.80	Thin Peat	1.9
9	0.63	Thin Peat	3.5
10	0.62	Thin Peat	2.6

Turbine No.	Peat Thickness (m)	Peat Conditions	Slope (degrees)
11	0.55	Thin Peat	1.5
12	0.06	No Peat	2.9
13	0.77	Thin Peat	4.3

5.0 Peat Landslide Hazard and Risk Assessment

A preliminary peat risk assessment has been undertaken for the Site. Following 2 phases of peat probing, a Site visit by an experienced SLR windfarm geotechnical engineer, and appraisal of the data, the potential for a peat slide occurring at the Site was initially assessed as low. This was based on the fact that:

- although there are significant thicknesses of peat present onsite, the windfarm's infrastructure has generally avoided the thickest areas and there are no areas with thick peat on significant slopes (>4^0);
- no evidence of historical or current peat slide activity at the Site (having reviewed historical dating back to 2004, with photos in 2007, 2012 and current photographs (2016);
- shallow to moderate gradients (<4^0) for 9 No. turbines 4-6^0 (3 No. turbines) and 1 No. in excess of 10^o where turbines overlying peat are proposed;
- conclusions of a detailed Site walkover and results from Site probing;
- avoidance of the vast majority of very deep peat with a depth of >2 m by most of the proposed Development's infrastructure (e.g. tracks, turbines, Site compound etc.); and
- floating roads have been proposed in the limited areas where peat is >1 m thick.

To further quantify this initial assessment, analysis of the terrain at Site utilising GIS has been undertaken to analyse slopes and gradients, **Figure 10.1.6** shows that the majority of slopes within key infrastructure areas are generally <8^o. The site specific slope data has been combined with site specific peat depth data and using Scottish Government guidance for the assessment of the risk of instability in peat, an assessment of peat slide risk has been completed.

The method of risk and hazard assessment has been developed with reference to the Scottish Guidance[4]. Key factors which may have an effect on the stability of the peat deposits have been identified leading to an assessment of the RISK of instability. The potential impact of any instability, the HAZARD, was then considered for identified potential receptors. Scores were attributed to the key factors that have the greatest influence on peat stability. Risk scores were determined, which, when combined with an assessment of vulnerability of potential targets, were developed into an assessment of the hazard.

In order to differentiate between risk and hazard, the following nomenclature has been adopted (**Table 5-1**).

Table 5-1: Risk versus Hazard

Risk	Hazard
Negligible	Insignificant
Low	Significant
Medium	Substantial
High	Serious

This section outlines the approach taken and the scores allocated for various factors relevant to peat stability.

At this stage in the proposed Development, the objective is to determine the peat areas that would have an effect on the proposed Development and to set out the mitigation that could be adopted and incorporated into the overall development plan to ensure that due cognisance is taken in this regard.

The level of slope is normally assessed by reference to the factor of safety which is expressed, numerically, as the degree of confidence that exists, for a given set of conditions, against a particular failure mechanism occurring. It is commonly expressed as the ratio of the load or action which would cause failure against the actual load or actions likely to be applied during service. This is readily determined for some types of analysis (e.g. limit equilibrium slope stability analyses). The following sections present a brief discussion on some of the issues relating to stability and risk assessment.

The stability of peat is a complex subject and there are numerous inter-relationships that affect the stability.

A quantitative assessment requires a numerical input and such an analysis cannot account for the unquantifiable input required for a comprehensive Peat Stability Assessment. For this reason a purely quantitative assessment should only be considered as a guide and a qualitative assessment of stability should be used to inform the final recommendations.

The characteristics of the peat failure phenomena have been incorporated in a stability risk assessment to evaluate the risk of instability occurring within the peat areas. The main factors controlling the stability of the peat mass are the surface gradients, the depth and condition of the peat at each location and the type of substrate.

The natural moisture content and undrained shear strength of the peat are important; however, it is generally accepted that where present, the peat would be saturated and have a very low strength. It is believed to be unrealistic to rely on specific values of shear strength to maintain stability when back analysis of failed slopes indicates that there is often a significant discrepancy between measured strength in peat and stability. Therefore shear strength has been assumed to be constant and worst case, throughout this assessment. It has also been assumed, as a worst case, that the groundwater level is coincident with the ground surface.

The key factors identified as being critical to stability and the development of a risk rating system is:

- A – Slope gradient;
- B – Peat thickness;
- C – Substrate type or condition; and
- D – Historic instability.

The risk scores are multiplied together to generate a risk rating which is a measure of the likelihood of peat instability.

5.1 Slope Gradients

The slope gradients were assessed by reference to the mapping and particularly the DTM which was used to generate a gradient map (**Figure 10.1.6**), from which the gradient at each probe location could be determined and input into the risk rating spread sheet (**Annex A**). The gradient quoted at each location was based on the average gradient over a 5 m grid. Significant effort has gone into reducing slopes along routes and at turbine bases and positioning infrastructure on flat areas, it is evident from the Slope Plan that the majority of the tracks close to turbines and at turbines are on areas with moderate gradients (<8^{o}). Some areas of the track to the north and at turbine T3 are located on slightly steeper gradients (8-12^{o}).

Table 5-1: Coefficients for Slope Gradients

Slope Angle (^{o})	Slope Angle Coefficients
Slope <2^{0}	1
2^{0}≤ Slope <4^{0}	2
4^{0}≤ Slope <8^{0}	4
8^{0}≤ Slope <12^{0}	6
>12^{o} Slope	8

Coefficients for slope gradient have been assigned to ensure the potential for both peat slides (gradients of 4-15^{0}) and bog slides (gradients of 2-10^{0}) are addressed.

By simple inspection it is clear that steeper slopes pose a greater risk of instability than shallow gradients. Therefore, a graduated gradient scale from 0^{0} to >12^{0} (the practical maximum gradient on which peat is commonly observed) has been applied.

5.2 Peat Thickness and Ground Conditions

The ground conditions were assessed by using peat depths recorded during peat probing. Thin peat was classed as being 0.5 m to 1.5 m thick, with deposits in excess of this being classed as thick. The thickness ranges used are intended to reflect the risk of instability associated with both peat slides (in thin peat) and bog slides. Where the probing recorded peat less than 0.5 m thick, this has been considered to be an organic soil rather than peat. **Table 5-2** gives the coefficients applied to the various ground conditions.

In addition to peat thickness, the presence of existing landslip debris or indicators of meta-stable conditions such as tension cracks or slumping in the peat suggest the material is likely to become even less stable should the existing ground conditions change. Where evidence of historical slips, collapses, creep or flows is seen, a separate coefficient is applied, however there is no evidence of any slips, collapses, creep or flows on the Site therefore we have not attributed a value for this during the assessment.

Table 5-2: Coefficients for Peat Thickness and Ground Conditions

Ground Conditions	Ground Condition Coefficients
Peaty or organic soil (<0.5 m)	1
Thin Peat (0.5 – 1.5 m)	2
Thick Peat (>1.5 m)	3*
Slips /collapses / creep / flows	8

***Note that thicker peat generally occurs in areas of shallow gradients and records indicate that thick peat does not generally occur on the steeper gradients.**

5.3 Substrate

As noted above, most failures in thin peat layers occur at the interface with the underlying substrate; the nature of the substrate has a very large influence on the probable level of stability.

Where sand and/or gravel (derived from glacial till) form the substrate, the effective strength of the interface can be considered to be good with comparatively high friction values. Under these conditions, failure is likely to occur in a zone within the peat, just above the interface. Further factors are necessary to cause a failure of this nature (increased pore pressures within the peat) and occurrence of such events is rare.

Where clay forms the interface, there is likely to be a significant zone of softening in the clay (due to saturation at low normal stresses, poor or none existent vertical drainage and the effect of organic acids), resulting in either very low undrained shear strength or low effective shear strength parameters. The result is that potential shearing could occur either in the peat, on the interface or in the clay; all three possibilities have been documented in the past.

A rock substrate provides a high strength stratum, however, the rock surface can be smooth, and, depending on the dip orientation of the strata, it can provide a very weak interface. For these reasons, at this stage, a rock interface has been given the same risk rating as clay.

Table 5-3: Coefficients for Substrate

Substrate Conditions	Substrate Coefficients
Sand/gravel	1
Clay	2
Rock	2
Not proven	3
Slip material (Existing materials)	5

If the overall thickness of the peat had not been proven, the risk associated with the significant thickness and the unknown substrate would have been given a high rating to accommodate the unknown factors.

5.4 Risk Rating

The risk rating coefficient (score) was derived by multiplying the coefficients for the four key factors (historic instability is discounted as there is no evidence of it onsite) identified the above sections together to produce a risk rating which is a measure of the likelihood of peat instability, and this enables potential areas of concern to be highlighted.

For example, a thin peat (2) x sand/gravel (granular) (1) x slope 6^{o} (4) = 8 (low risk).

For the stability risk assessment, the following Potential Stability Risk classes were applied as shown in **Table 5-4**.

Table 5-4: Risk Rating

Risk Rating Coefficient	Potential Stability Risk (Pre-Mitigation)	Action
<5	Negligible	No mitigation action required

Risk Rating Coefficient	Potential Stability Risk (Pre-Mitigation)	Action
5 - <15	Low	As for negligible condition plus development of a site specific construction and management plan for peat areas
15 - <31	Medium	As for Low condition plus may require mitigation to improve site conditions.
>31	High	Unacceptable level of risk, the area should be avoided. If unavoidable, detailed investigation and quantitative assessment required to determine stability and sensitivity to minor changes in strength and groundwater regime combined with long term monitoring.

The rating system outlined above differs slightly from that proposed in the SE Guidance[3] as the system adopted here incorporates three inputs compared to two in the guidance, with the potential impact of substrate is added in this section.

The table of results; included in **Annex A** shows that 1781 probe locations were identified within the extent of the Digital Terrain Model, peat/peaty soil was present at 1174 locations. The stability risk rating identified the following:

- negligible risk at 1245(70 %) probe locations;
- low risk at 515 (29 %) locations;
- medium risk at 3 (1 %) locations;
- no High risk (0 %) location; and
- no peat was recorded at 14 locations, hence no risk.

Figure 10.1.7 presents the interpreted risk of peat instability based on the multiplication of the risk coefficients discussed above in **Table 5-1** to **Table 5-3** and using the detailed mitigation in **Table 5-4**. The Peat Stability Risk Rating for each proposed turbine is summarised in **Table 5-5**.

Table 5-5: Stability Risk Rating at Each Turbine

Turbine No.	Stability Risk Rating	Peat Depth (m)	Slope (^{0})	Acceptable Location
1	Low	0.51	4.3	Yes
2	Negligible	0.47	3.3	Yes
3	Low	0.70	10.0	Yes
4	Negligible	0.21	5.0	Yes
5	Negligible	0.92	3.2	Yes
6	Low	0.50	3.5	Yes
7	Low	0.67	1.2	Yes
8	Negligible	0.80	1.9	Yes
9	Negligible	0.63	3.5	Yes
10	Negligible	0.62	2.6	Yes
11	Negligible	0.55	1.5	Yes
12	Negligible	0.06	2.9	Yes
13	Low	0.77	4.3	Yes

As can be seen from **Table 5-5**, all of the proposed turbine positions fall within the ‘negligible’ or ‘low’ risk classification. Most of the turbines are sited on shallow to moderate slopes (< 6^0), with the exception of T3 at 10^0.

The proposed access track also falls mainly within the 'negligible' or 'low' classification.

There is one area where the risk of instability along the track has been classed as 'medium' and, as such, warrants further consideration.

5.5 Turbine Sites (Including Hard Standings)

The table of results shows that the following potential stability risks exist at the turbine locations:

- negligible risk at eight locations;
- low risk at five locations;
- no medium risk locations were identified; and
- no high risk locations were identified.

The construction compound and substation are located on areas with no or limited peat with negligible – low risk of instability.

5.6 Access Track

The table of results shows that the following potential stability risks exist across the Site at all probing locations along the areas of new access track:

- three medium risk areas have been identified to the west of T5, on track to T5 and south of T3.

5.7 Hazard Score Development

A further assessment of the medium risk locations, at the track (to the west of T5, on track to T5 and south of T3,) has been undertaken. It should be noted that the impact assessment is primarily concerned with impacts that affect the environment, ecology, public or infrastructure associated with the proposed Development, both onsite and potentially off-site. These assessments do not consider the detailed ecological impact of construction induced peat instability; however, the majority of the sensitive onsite receptors are the watercourses and thus the inferred ecological and environmental issues are addressed. The proposed mitigation measures in **Section** Error! Reference source not found. would limit the potential for any slope failures into water courses and drainage features hence limit such impacts.

The effect a slope failure may have on the construction site and infrastructure can be easily identified. However the effect of an instability event on features impacted by an event not associated with the proposed Development is harder to predict.

In order to address this effect, it is not considered appropriate to assess the effect at every potential receptor location close to a site; but rather to assess the effect a particular infrastructure feature (track, turbine, substation, etc.) would have on the structures or features surrounding it. By adopting such an approach, the assessment of infrastructure features where a risk ranking of 'negligible' or 'low' (assessed in the stability risk assessments described above) is discounted from further assessment.

5.8 Receptor Ranking

Now the infrastructure features with a 'medium' or higher risk rating for instability have been identified it is necessary to identify potential impact receptors. These are nearby structures or features that may be affected by peat movements caused during or following construction. Generally, only receptors immediately down gradient of the infrastructure feature could be affected by peat instability therefore the first phase of feature ranking requires topographic ridges and valleys to be identified across the Site and surrounding area. From this, receptors at risk from particular infrastructure features can be identified. However, should instability occur on a steep slope, there is the risk of the back scarp of the instability migrating up-slope, there-by affecting areas previously considered not to be at risk.

Following identification of receptors at risk, these are ranked according to their size and sensitivity. **Table 5-6** presents the coefficients placed on particular receptor types.

At the Site, only watercourses are deemed significant receptors potentially at risk from peat slides. Communities have been discounted due to distance from infrastructure, the impact therefore, should a slide occur is directly to water courses.

Table 5-6: Coefficients for Impact Receptor Ranking

Nature of Feature	Feature Coefficient
Non-critical infrastructure (minor/private roads, tracks)	1
Watercourses and critical infrastructure (pipelines, motorways, dwellings and business properties etc.)	3
Sub-Community (settlement 1-10 residents)	6

Nature of Feature	Feature Coefficient
Community (settlement of >10 residents)	8

5.9 Receptor Proximity

The proximity of an impact receptor is also critical in assessing the likely level of disruption it may suffer following an instability event. Based on this, two further coefficients – distance from infrastructure feature and relative elevation differences between the infrastructure feature and impact receptor - are applied in deriving an impact ranking. **Table 5-7** and **Table 5-8** present the coefficients derived for distance and elevation of impact receptors.

Table 5-7: Coefficient for Impact Feature Distance

Distance from Coefficient Feature	Distance Coefficient
> 1km	1
100 m – 1 km	2
10 – 100 m	3
0 – 10 m	4

Table 5-8: Coefficient for Impact Feature Elevation

Relative Elevation of Feature	Elevation Coefficient
0-10 m	1
10 – 50 m	2
50 – 100 m	3
> 100 m	4

5.9.1 Impact Rating

The impact rating coefficient (score) is derived by multiplying the receptor ranking coefficient (score) by the distance coefficient (score) and the elevation coefficient (score) for each impact receptor associated with a particular infrastructure feature.

Based on distance to impact receptors, in this instance we have identified watercourses (which are the most sensitive receptor near the Site). The other receptors have been discounted, either they are not present or distance to receptor mitigates risk. Watercourses are the principal receptor as they are at risk of not only direct impact from a peat slide but potentially the water course creates a pathway to impact other receptors indirectly, either ecological or potential water users downstream. Based on **Table 5-6** the watercourses would have an impact receptor coefficient (score) of 3 and then considering the distance to the receptor and the relative elevation differences on site of receptors, a potential impact can be derived.

For example, a watercourse (score 3) x 479m from the risk area (score 2) x an elevation difference of 25m (score 2) = 12 (3x2x2) (low risk).

5.10 Hazard Ranking

The SE guidance recommends that the hazard ranking is assessed using the following formula:

- Hazard Ranking = Hazard x Exposure

This philosophy can be applied to the assessment carried out so far in the following approach:

- Hazard Ranking = Risk Rating x Impact Rating

In order to achieve a meaningful and manageable result from the hazard ranking, the results of the Stability Risk Assessment and Impact Assessment have been normalised to a standard numerical scale (below).

Table 5-9: Rating Normalisation

Risk Rating		Impact Rating	
Current Scale	Normalised Scale	Current Scale	Normalised Scale
Negligible <5	1	Very Low <10	1
Low 5 - <15	2	Low 11 - 20	2
Medium <15 - 30	3	High 21 - 30	3
High 31 - 50	4	Very High 31-50	4
Very High >51	5	Extremely High >51	5

The method of assessing risk, impact and hazard developed by SLR Consulting incorporates additional critical elements such as the substrate interface and coefficients for the receptor position, distance and elevation and as such is considered to be more rigorous than the assessment scheme proposed by the SE. Whilst the scales used in the SLR method deviate from the SE Guidance (with risk and impact rating scales from 1-4 rather than 1-5), the ultimate Hazard Ranking scale does equate to the SE scale, with hazard rankings divided over four zones.

A simple multiplication of these coefficients would result in potentially large and unwieldy risk and impact rating numbers. We have therefore opted to normalise these values to bring them in line with the values used in the SE Guidance, as illustrated in **Table 5-9** above.

Table 5-10: Hazard Ranking

Hazard Ranking	Hazard Ranking Zone	Action
1-4	Insignificant	No mitigation action required although slide management and monitoring shall be employed. Slide management shall include the development of a site specific construction plan for peat areas.
5 - 10	Significant	As for Insignificant condition plus further investigation to refine the assessment combined with detailed quantitative risk assessment to determine appropriate mitigation through relocation or re-design.
11 - 16	Substantial	Consideration of avoiding project development in these areas should be made unless hazard mitigation can be put in place without significant environmental effect.
17-25	Serious	Unacceptable level of hazard; development within the area should be avoided.

5.11 Results

The stability risk assessment has demonstrated that the majority of the Arecleoch Windfarm Extension Site lies within an area of negligible to low risk with regards to stability based on **Figure 10.1.7**. Those areas that have been identified as being at medium risk of instability but do not impact the Site layout have not been considered in a hazard impact assessment.

There are no communities of any description within the application area or within 1 km of any down slope regions of the Site where a peat slide would be likely to migrate to.

There are two watercourses present onsite – Water of Tig flowing to the north and Cross Water flowing to the east. Only the Water of Tig is at risk from a peat slide.

The stability risk assessment results are presented in **Table 5-11** shows the calculated hazard ranking associated with every location where there is a stability risk of medium or above, at or close to windfarm infrastructure. The particular mitigation measures to reduce the risk of instability occurring are dependent upon location and the type of proposed structure. Proposed mitigation measures and actions already undertaken to reduce the risk of peat instability occurring are also identified in **Table 5-11**, together with the associated, revised hazard ranking. A more detailed discussion of the possible mitigation measures are presented in **Section 6**.

There are three medium risk area of peat instability within influencing distance of a proposed turbine (T3 and T5) with three locations of medium risk of peat instability, one the proposed access track (close to T5).

A total of 3 medium risk probe locations have been identified across the Site, mostly in localised areas; following review, the majority of these locations are not considered to have either a potential impact on the windfarm infrastructure, due to locality, either well away from influencing windfarm infrastructure, in a down gradient position or have no impact on the local watercourses.

5.12 Hazard Rated Locations

As noted in **Figure 10.1.7** where the risk assessment has identified a negligible or low risk of peat instability, no specific mitigation measures are necessary. However, in order to ensure best practise is employed, there would be a need for careful monitoring and the construction management must include careful design of both the permanent and temporary works appropriate for peat soils; these are discussed further in **Section 6**.

The areas of the infrastructure that were rated as medium risk, or above, were subjected to a hazard assessment; a number of areas were discounted as they were located off the proposed access track and do not fall within influencing distance of any of the key proposed Site infrastructure.

The procedure adopted was to review **Figure 10.1.7** and identify those areas with a medium risk or greater, that were in close proximity or influencing distance of any of the proposed infrastructure or watercourses. Those risk areas where there is no development would not affect the natural stability of the peat.

The assessment carried out in **Table 5-11** was completed as described in the sections above. For example, location 1 has a risk rating of 3 (derived from **Table 5-5** and **Table 5-10**) with an impact rating of 2 (derived from the process described in **Section 5.9.1** and normalised in **Table 5-10**). These ratings are multiplied (2 x 3) to give a hazard ranking of 6 (significant), as detailed in **Table 5-11**.

Although the potential hazards identified in **Table 5-11** can be mitigated to 'insignificant' it is believed that hazards should be subject to further post consent investigation and on-going monitoring during construction. Further details of mitigation during construction are described in **Section 6**.

Table 5-11: Stability Hazard Ranking Assessment

Location	Coordinates	Risk Rating	Impact Rating	Hazard Ranking	Mitigation	Revised Hazard Ranking
1	218711, 581746	Medium (3)	Low Impact (2)	Significant (3x2)	Not located near any infrastructure	Insignificant
2	218211, 581646	Medium (3)	Low Impact (2)	Significant (3x2)	Access Track crossing peat area, micro siting slightly west would reduce risk	Insignificant
3	217911, 581546	Medium (3)	Low Impact (2)	Significant (3x2)	Not located near any infrastructure	Insignificant

6.0 Construction Issues and Mitigation Measures

It has been shown that excavation, drainage and general construction activities can have a destabilising influence on peat and that design should allow for the delicate and susceptible condition of the peat. There is no extensive evidence for past peat instability onsite, however appropriate good practice measures and mitigation should be employed to minimise the risk of adverse effects on peat and hydrological receptors.

The following sections highlight the construction issues that should be considered for each general area of construction. Many of the issues raised should be incorporated into the CEMP and construction method statement for the Site.

The following is a list of controls that should be considered for incorporation into the development of construction methodologies for the works in all areas of peat during detailed design stage:

- appropriately experienced and qualified engineering geologist/geotechnical engineer is appointed during the construction phase, to provide advice during the setting out, micro-siting and construction phases of the works;
- geotechnical Risk Register is developed and maintained by the appointed geotechnical engineer;
- a minimisation of *"undercutting"* of peat slopes, but where this cannot be avoided, a more detailed assessment of the area of concern by the geotechnical engineer would be required;
- careful micro-siting of turbine bases, crane hardstanding's and access track alignments to minimise effects on the prevailing hydrology;
- although the risk of a peat slide is considered to be low for the majority of the proposed Development, it is recommended that methodologies should be developed as a contingency to minimise the effects to watercourses in the unlikely event of peat instability; and
- use of floating track across areas of deep peat.

Notwithstanding any of the above comments, detailed design and construction practices would need to take into account the particular ground conditions and the specific works at each location throughout the construction period.

Good practice measures are provided in **Section 6** to minimise the risk of potentially inducing peat landslides during construction of the proposed Development.

6.1 General

- Raise Health and Safety awareness of the peat environment at the proposed Development for construction staff by incorporating the issue into the Site Induction. Include peat slide risk assessment information (e.g. peat instability indicators, best practice and emergency procedures) in tool box talks with relevant operatives e.g. plant drivers;
- Introduce a 'Peat Hazard Emergency Plan' to provide instructions for Site staff in the event of a peat slide or discovery of peat instability indicators;
- For sections of track that require track side cuttings into peat, suitable support measures would need to be designed to maintain the stability of the adjacent peat terrain;
- Refine/optimise the design through the pre-construction phase following completion of a detailed ground investigation; and
- Develop methodologies to ensure that accelerated degradation and erosion of exposed peat deposits does not occur as the break-up of the peat top mat has significant implications for the morphology, and thus hydrology, of the peat (e.g. minimise off-track plant movements within areas of peat).

6.2 Drainage Measures

Drainage design for the proposed Development is a critical mitigation measure in maintaining the hydrological conditions. In order to maintain hydrological conditions the following requirements of the drainage measures should be met;

- Development of drainage systems that would not create areas of concentrated flow or cause over, or under, saturation of peat habitats;
- Development of robust drainage systems that would require minimal maintenance;
- A robust design of drainage systems and associated measures (i.e. silt traps, etc.) to minimise sedimentation into natural watercourses. Method statements should be prepared in advance to mitigate against a slide occurring and should include, but not be limited to, the use of check dams and erosion protection to limit flows and prevent contamination of watercourses; and
- Measures shall be put in place to ensure drainage systems are well maintained, to include the identification and demarcation of zones of sensitive drainage or hydrology in areas of construction, e.g. inclusion of maintenance regimes for drainage systems into a construction management plan or similar.

6.3 Construction Recommendations

A summary of recommendations for Site specific infrastructure is provided in the following sections.

The complexity of peat stability has been discussed in this report and by Lindsay and Bragg [4], amongst others. Following a review of published work and the observation and analysis undertaken for the proposed Development, there would be a negligible hazard from peat instability if the recommendations contained in this report are adopted.

Suitable guidance and documentation in the form of a construction method statement/CEMP would be established before work commences to ensure good construction practices. Due to the complex inter-reactions affecting peat stability it is proposed that the recommendations given below are used as a set of guidelines to generate a detailed design concept. The concept should include the range of potential risks discussed in this report and the design should be sufficiently flexible to allow for continual modification and up-dating as construction progresses.

6.4 Turbine Locations and Crane Pads

It is proposed that construction of the turbine foundations would require excavation of peat and subsoil to create a suitable area for the foundation of the base.

It is the objective of this assessment to consider the potential risk from peat instability and to recommend solutions and mitigation measures to eliminate, or at least reduce the risk to a manageable level. Risk reduction can best be achieved by minimising the effect of any construction works and an appropriate CEMP/construction method statement is an integral element in ensuring that all parties understand and acknowledge the potential consequences of a peat slide.

In general, the bearing stresses imposed by a turbine are relatively low and the main requirement of the base is to resist the overturning moments generated by the wind acting on the turbine. Gravity base foundations are designed to control bearing pressures to a level appropriate to the local ground conditions and provide stability against turbine loading.

The excavations for turbine bases and crane pads should be kept to a minimum where possible but it is likely that the required hard stratum would be typically several metres deep, beneath soft materials (peat), unless directly on rock. The very soft nature of peat means that unsupported cut or excavated slopes could be unstable unless shallow gradients are used. The overall width of such an excavation would be up to 28 m diameter at the original ground surface, depending on the thickness of the peaty soil/peat and glacial till and appropriate methods of stabilising the temporary slopes should be considered. Foundation excavation would produce large volumes of peat and this should be reused across the Site in an environmentally acceptable manner for restoration. Peat would not be used to back fill the excavation void within the footprint of the foundation as it would have a very low strength. Peat could be used as backfill outside the foundation footprint and also to dress verges to tracks and around turbine bases, in line with current Waste Management guidance[15]. Management of the water in the peat, by maintaining existing drainage during excavation is essential to avoid creating conditions likely to increase the risk of a peat slide.

6.5 Substation

The substation is sited on an area of limited peat cover with probing intersecting soils of 0.1 m thick.

6.6 Borrow Pits

The proposed 6 No. borrow pits are sited on areas of limited peat cover (<0.5 m). Borrow pit 4 is located off the existing track near the entrance to the Site, where rock was previously extracted for the existing Arecleoch Windfarm. Borrow pits 2 & 3 were also used for Arecleoch Windfarm and may be reopened and used for the access track to the proposed Development.

6.7 Access Tracks

The general principles regarding the construction of the access tracks in peat that minimises the risk of instability and environmental effects are discussed below.

In order to maintain the current level or improve the stability of the peat mass on the slopes around the access track, it is necessary to ensure that the construction methods do not seriously disrupt the established drainage and that no areas are surcharged, either by water discharge or spoil.

Wherever possible, the following principles should be adopted:

- Maintenance of existing drainage is critical, therefore all existing drainage tracks must be maintained and where necessary, channelled below the proposed track construction. Upslope side drainage ditches to the track would be required on side-long ground; the ditches should be constructed with small dams and cross drains where necessary so that:
    - Water can pass below the track at regular intervals;
    - Scour and erosion is avoided in the side ditches due the limited volume and velocity, concentrated discharges to the peat on the down slope side of the track are avoided;
- The camber of the track should encourage surface water to drain to the up slope side drainage ditch;
- Track gradients to be maintained at the recommended gradients from the turbine supplier, typically shallower than 1 v: 8 h to facilitate access by the large specialist vehicles for both construction and transport of the turbine components. The maximum acceptable gradients are usually defined by the appointed turbine manufacturer;
- Identify and mark all existing drainage features within the access track corridors; these drainage features should be maintained (not enhanced) during the construction and operational phases of the proposed Development;
- Install cross drains at regular intervals to maintain interstitial groundwater flow through the peat mass below the tracks where track settlement could reduce the natural permeability;
- Install additional drainage in areas up-slope to any track to prevent ponding and possible instability;
- Install small dams at regular intervals along the track side drains to prevent significant water velocities in the side drains causing deep erosion in the peat;
- Where track construction is required over peat areas in excess of 1 m deep, this may be undertaken with a floating track construction, where the integrity of the peat allows;
- Cut and fill should be avoided in peat greater than 1.0 m deep if possible; if not, the following requirements on side long ground (across contours) should be adopted;
    - excavate to a sound stratum;
    - the majority of construction surface's to be essentially horizontal with a slight fall to aid drainage;
    - where the depth of cut is deemed unstable, employ a stepped or benched surface with the intention of minimising the exposed surface of the up-slope cut face;
    - protect all exposed peat surfaces from erosion and desiccation, by ensuring the integrity and moisture content of the peat is maintained; and
    - the top of cut slopes should be provided with a small bund to retain the peat to prevent desiccation and maintain the local stability of the peat.

[15] Scottish Renewables and SEPA, Developments on Peatland: Guidance on the Assessment of Peat Volumes, Reuse of Excavated Peat and the Minimisation of Waste, 2012;

6.8 Cable Routes

The general principles regarding the construction of the cable trenches in peat that minimises the risk of instability and environmental effects are discussed below.

In order to maintain the current level or improve the stability of the peat mass on the slopes around the cable route, it is necessary to ensure that the construction methods do not seriously disrupt the established drainage and that no areas are surcharged, either by water discharge or spoil.

The majority of the cable routes would be likely located within areas of shallow peat. The construction of the cable route would minimise disturbance to drainage by taking cable route alongside existing access track and around the turbines adjacent to new tracks.

6.9 Crossing Watercourses

The access tracks would cross a number of existing watercourse and particular care would be required to ensure conformity in the settlement characteristics between the crossing structure and the approaches to avoid undue settlement.

6.10 Temporary Construction Compound

The proposed location for the construction compound and potential batching plant are located on an area with some existing hardstandings and no significant peat (average probing depth of 0.5 m) and therefore not considered an issue at this Site. Any peat/peaty soil removed would be stored on a temporary basis and reinstated on completion of construction.

6.11 Further Work

This report should be considered as the first stage in the development of a fundamental understanding of the various inter-relationships that govern and control the peat lands at the Site.

More detailed ground investigations would be required to facilitate the geotechnical design of the various foundations and access track.

7.0 Conclusion

The Site has been assessed for potential hazards associated with peat instability; the assessment has been based on:

- a walk-over survey by an experienced geologist;
- a thorough inspection of the digital terrain map at a scale of 1:25,000;
- review of historical and geological maps and publications and aerial photography; and
- review of peat depth and peat core data.

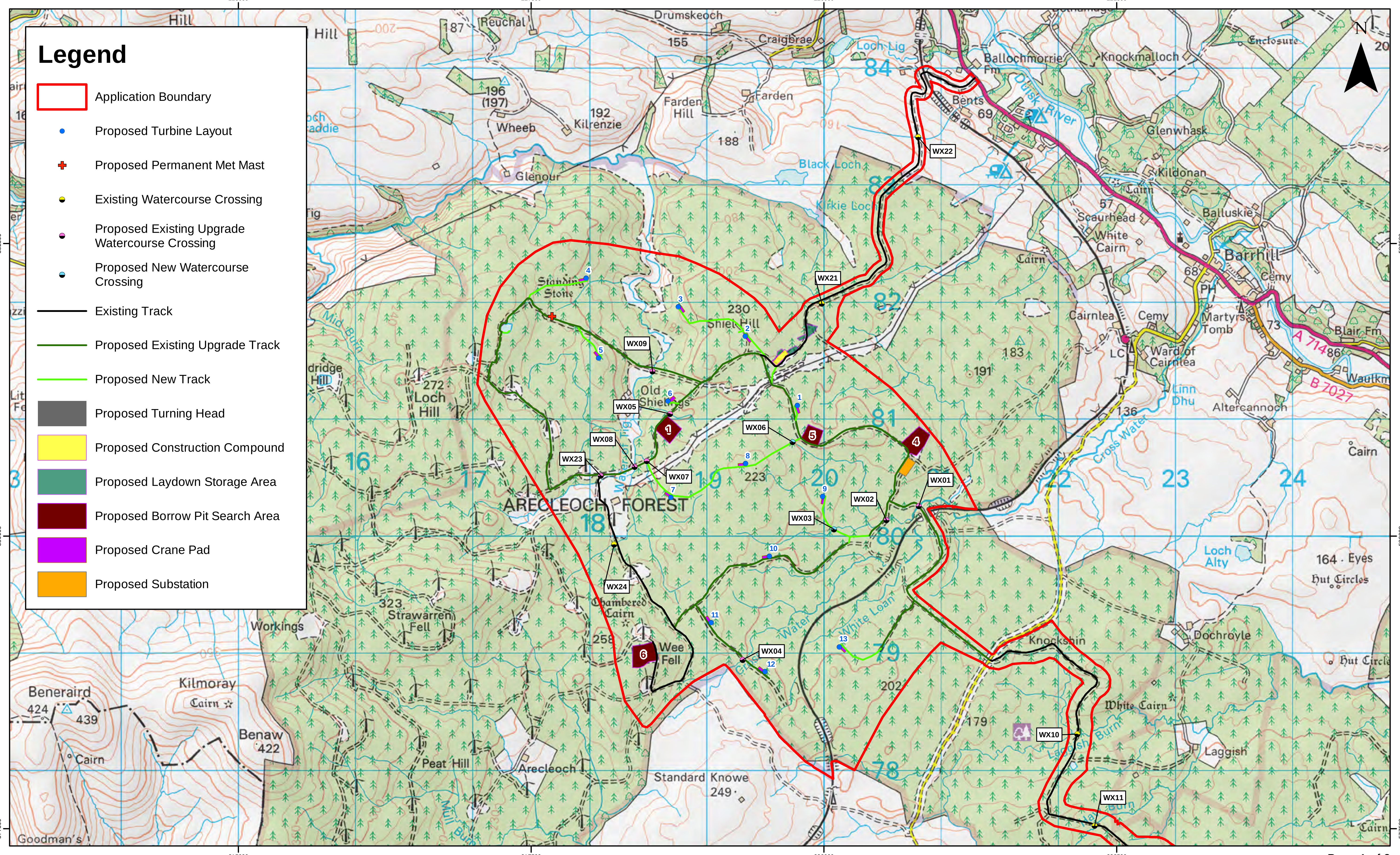
A detailed geotechnical probing exercise at 1,781 locations in areas of identified peaty soil/peat to determine the thickness thereof; and the overall conclusion regarding peat stability is that there is a negligible to low risk of peat instability over most of the Site although some limited areas of medium and high risk have been identified. For these areas, a hazard impact assessment was completed which concluded that, subject to micro siting and the employment of appropriate mitigation measures, all these areas can be considered as an insignificant risk. Additional mitigation measures have been identified in areas where hazards are already considered insignificant to further reduce the risk of potential hazards occurring.

The areas of thick peat generally mimic the topography and coincide with the flatter gradients ($<4^0$). The steeper slopes have significantly less peat and in general comprise mainly peaty soils (<0.5 m).

FIGURES

FIGURE 10.1.1

Proposed Site Context



Rev	Date	By	Comment
B	24/04/19	LM	Second Issue.
A	27/03/19	LM	First Issue.

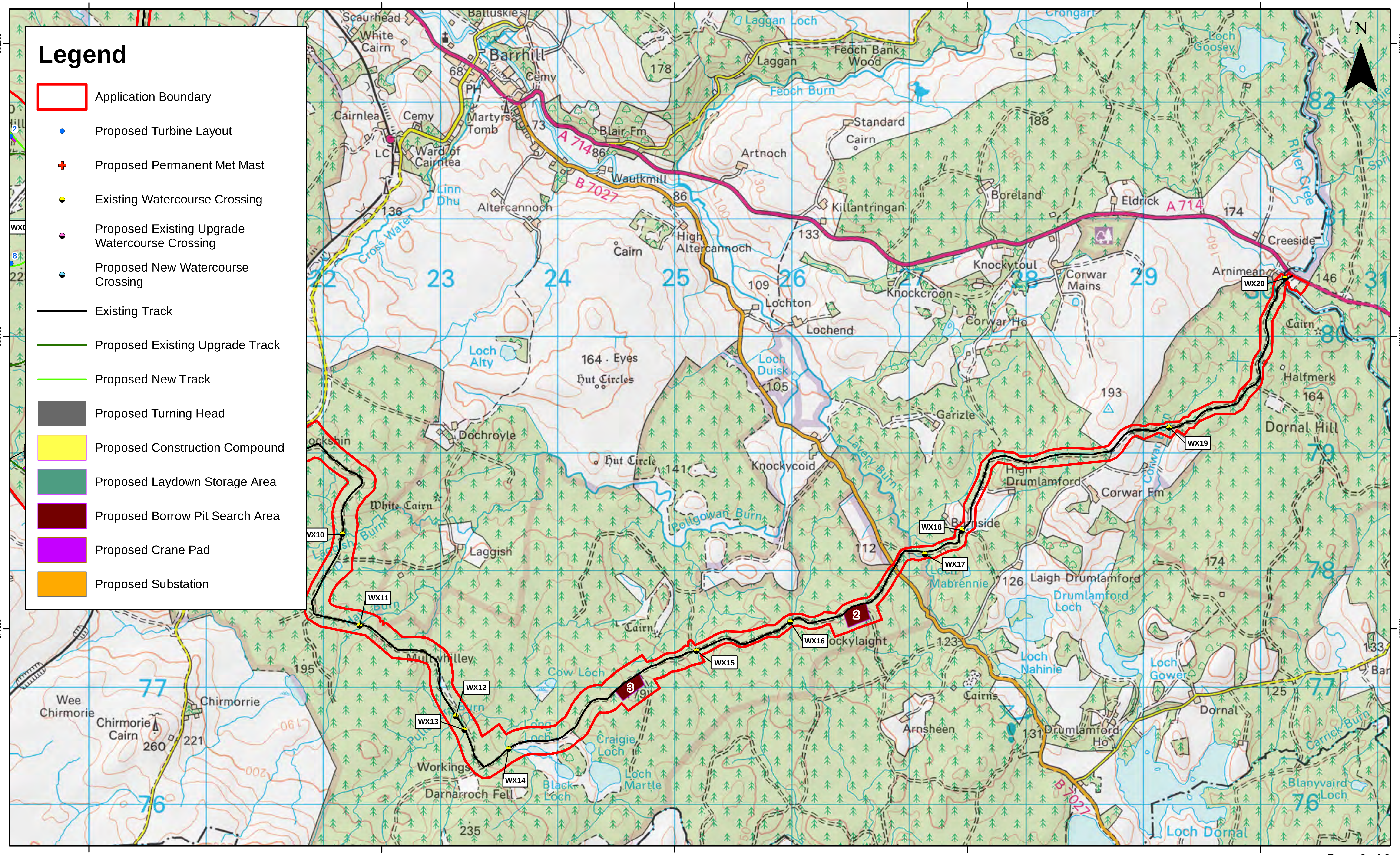
1:30,000
Scale @ A3

0 0.5 1 Km

SCOTTISHPOWER RENEWABLES

Arecleoch Windfarm Extension - EIAR
Technical Appendix 10.1
Proposed Site Context

Drg No	00481.00049.10.1.1.2	
Rev	B	Datum: OSGB36 Projection: TM
Date	24/04/19	
Figure	10.1.1	



Page 2 of 2

SCOTTISHPOWER RENEWABLES	B	24/04/19	LM	Second Issue.	1:30,000 Scale @ A3
	A	27/03/19	LM	First Issue.	
	Rev	Date	By	Comment	

Km 0 0.5 1

Arecleoch Windfarm Extension - EIAR

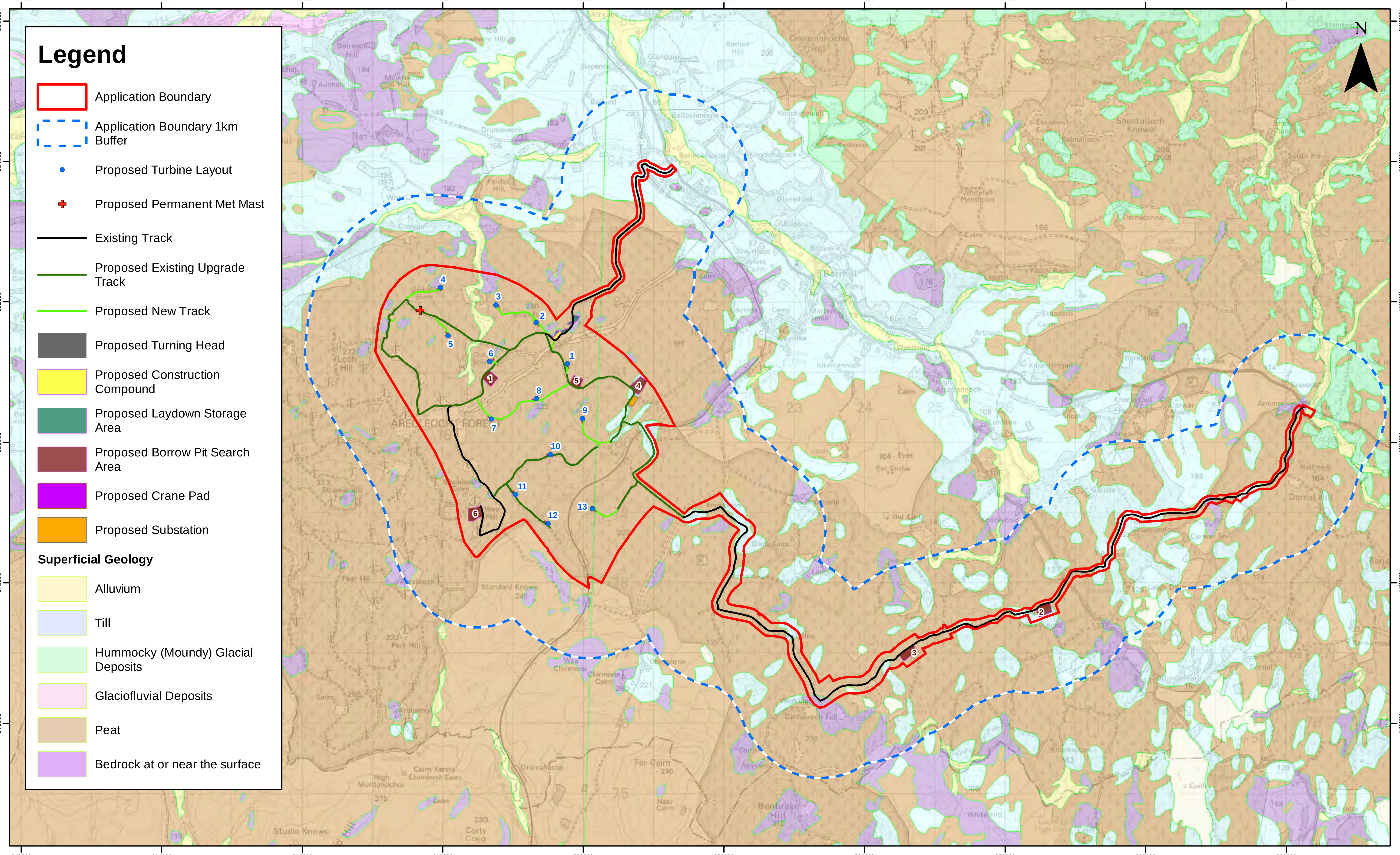
Technical Appendix 10.1

Proposed Site Context

Drg No	00481.00049.10.1.1.2	
Rev	B	Datum: OSGB36
Date	24/04/19	Projection: TM
Figure	10.1.1	

FIGURE 10.1.2

Superficial Geology



SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	27/03/19	LM	First Issue.

1:50,000 Scale @ A3

0 1 2 Km

Arecleoch Windfarm Extension - EIAR

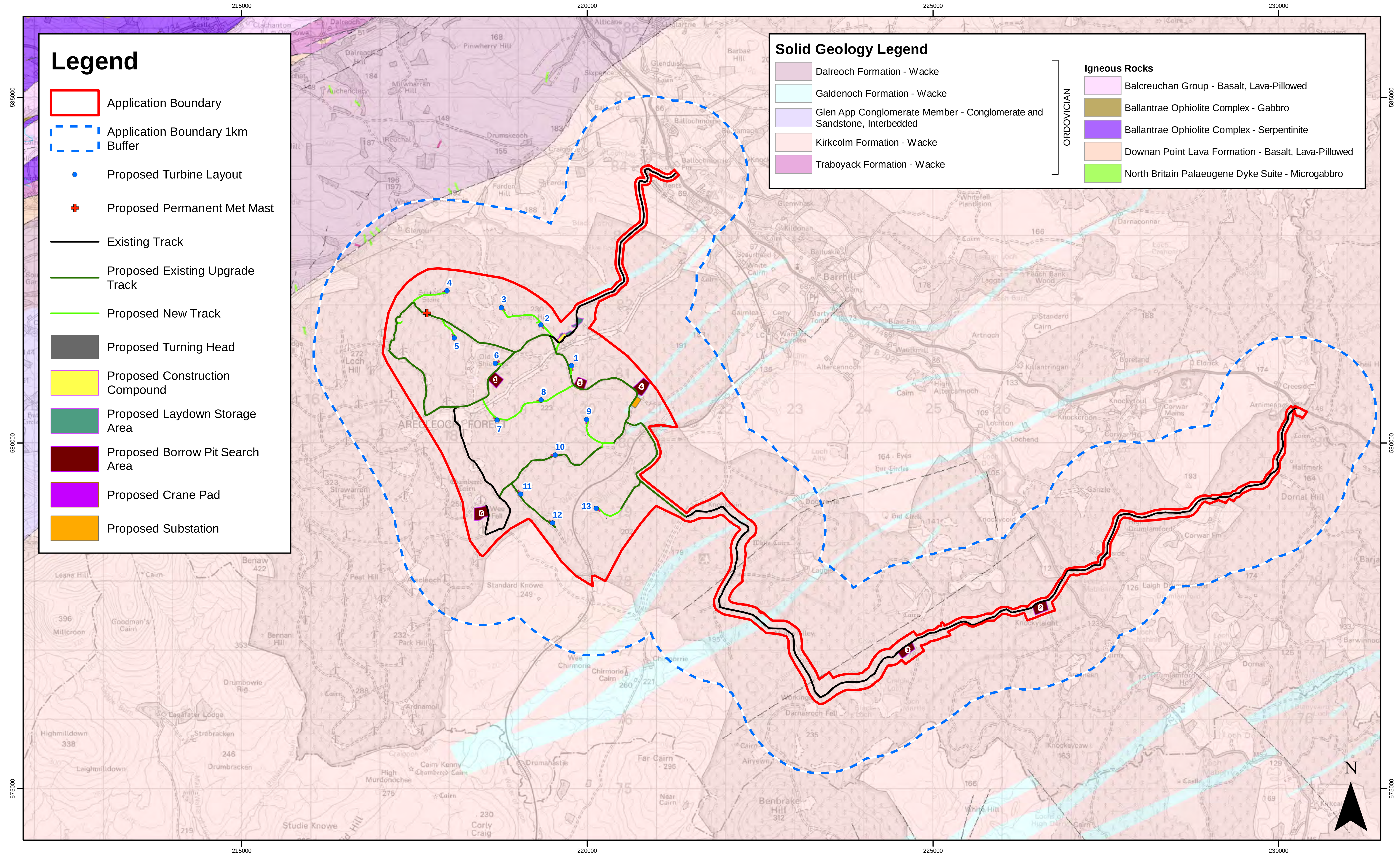
Technical Appendix 10.1

Superficial Geology

Drg No	00481.00049.10.1.2.0	
Rev	A	Datum: OSGB36 Projection: TM
Date	27/03/19	
Figure	10.1.2	

FIGURE 10.1.3

Solid Geology



Rev	Date	By	Comment
A	27/03/19	LM	First Issue.

SCOTTISHPOWER RENEWABLES

1:50,000
Scale @ A3

0 1 2 Km

Arecleoch Windfarm Extension - EIAR

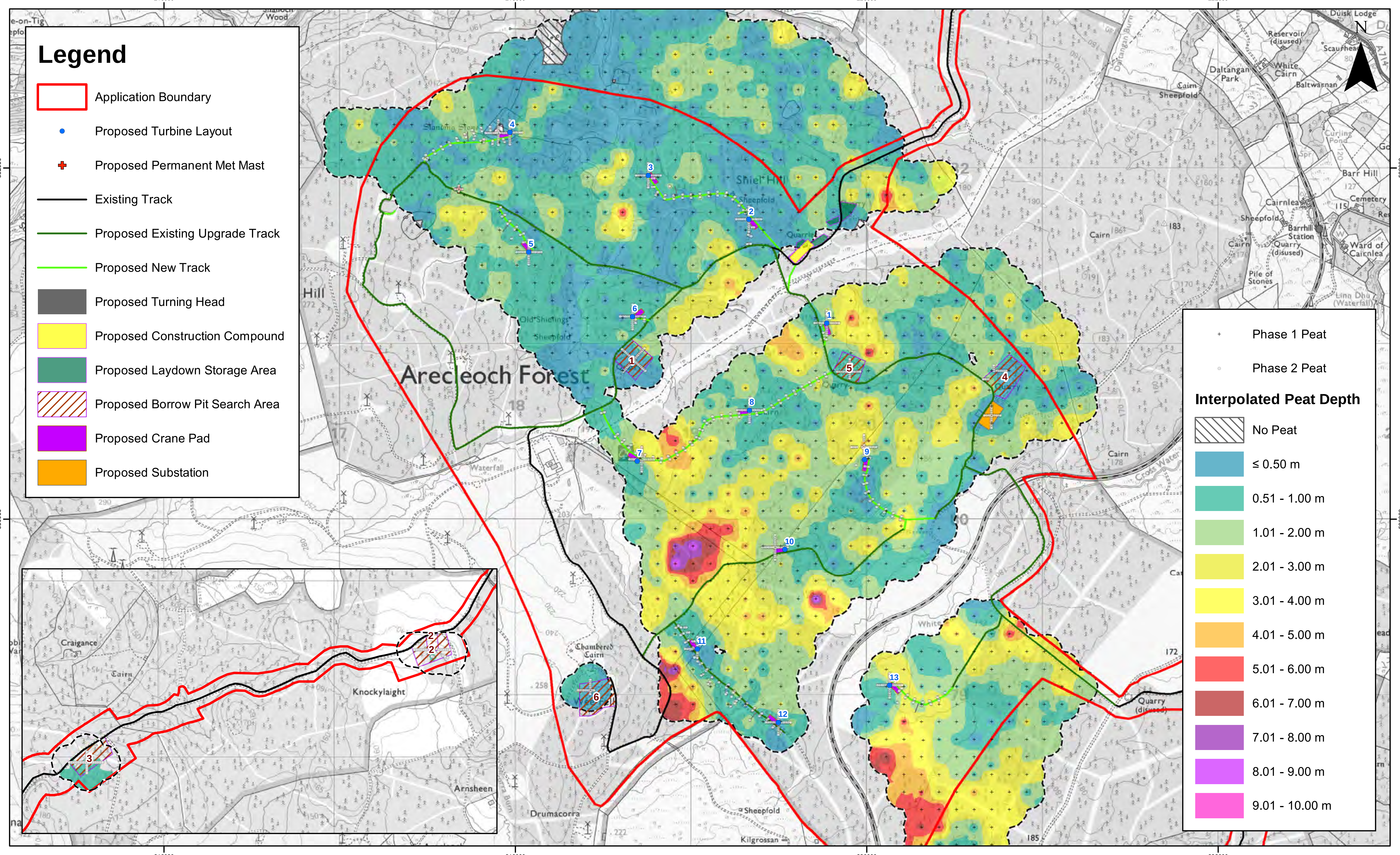
Technical Appendix 10.1

Solid Geology

Drg No	00481.00049.10.1.3.1	
Rev	A	Datum: OSGB36 Projection: TM
Date	27/03/19	
Figure	10.1.3	

FIGURE 10.1.4

Peat Depth Plan



SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	27/03/19	LM	First Issue

1:20,000 Scale @ A3

0 0.5 1 Km

Arecleoch Windfarm Extension - EIAR

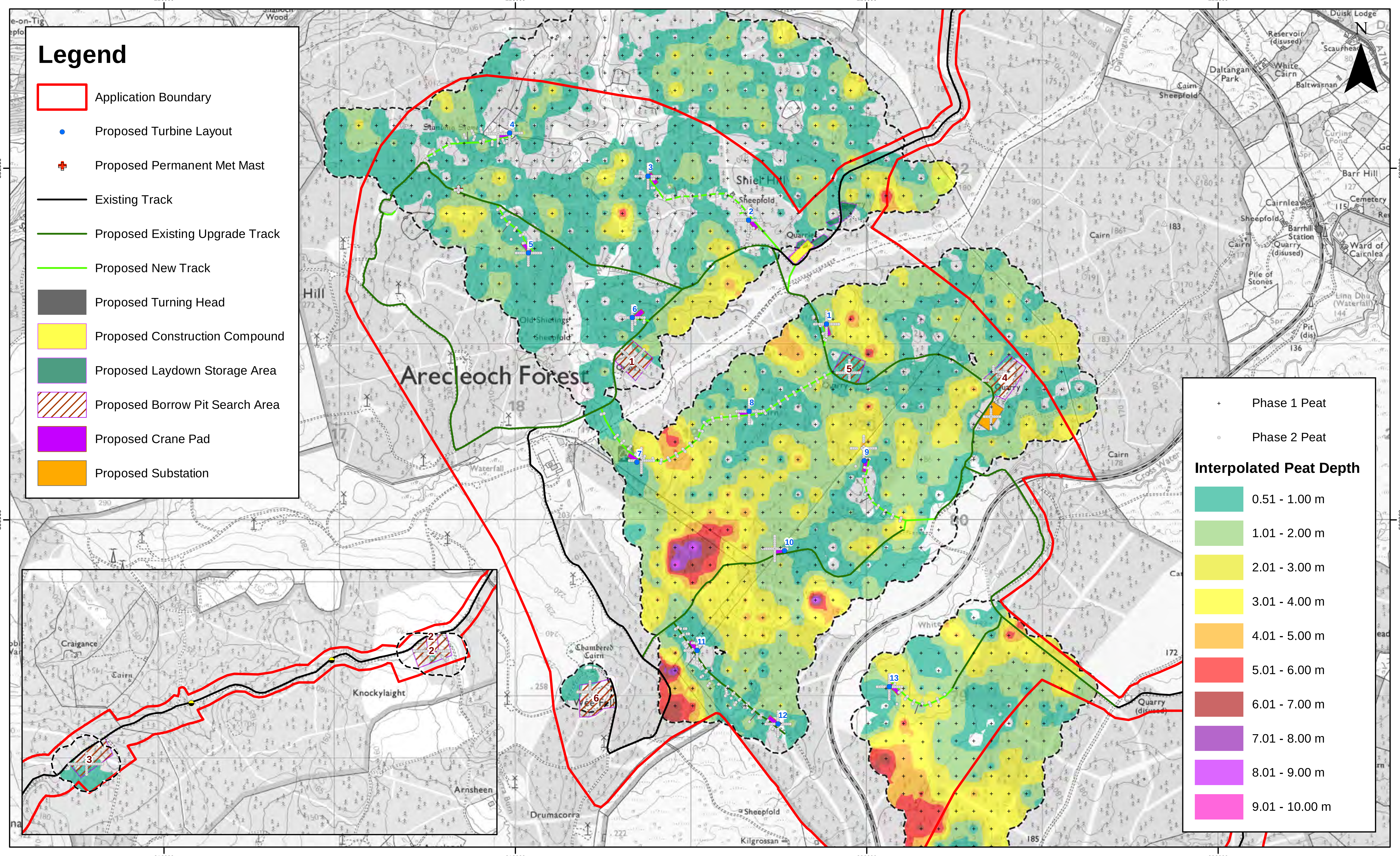
Technical Appendix 10.1

Peat Depth

Drg No	00481.00049.10.1.4	
Rev	A	Datum: OSGB36
Date	27/03/19	Projection: TM
Figure	10.1.4	

FIGURE 10.1.5

Peat Depth Plan >0.5m



SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	27/03/19	LM	First Issue

1:20,000 Scale @ A3

0 0.5 1 Km

Arecleoch Windfarm Extension

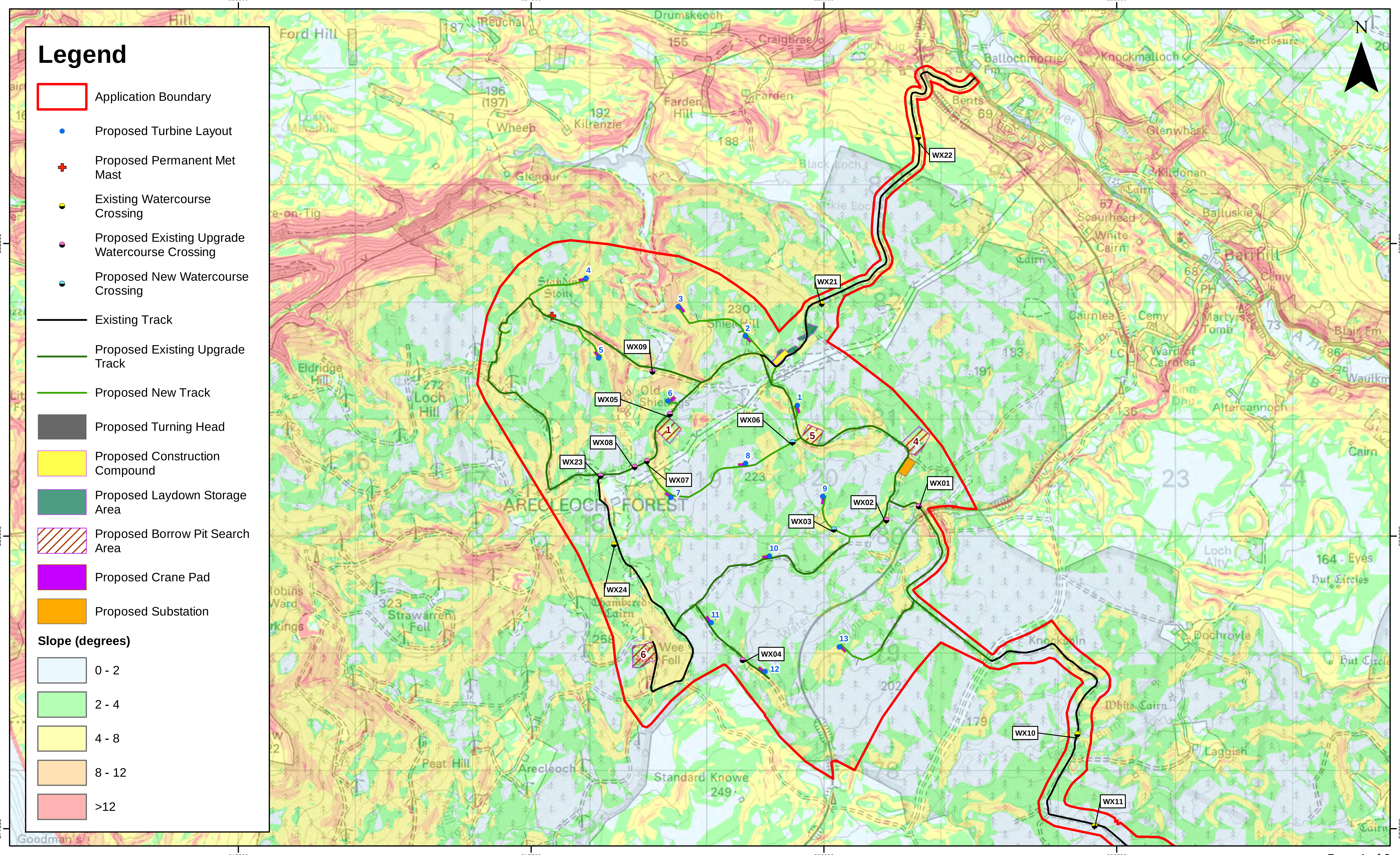
Technical Appendix 10.1

Peat Depth >0.5m

Drg No	00481.00049.10.1.5.0	
Rev	A	Datum: OSGB36 Projection: TM
Date	27/03/19	
Figure	10.1.5	

FIGURE 10.1.6

Slope Plan



SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
B	24/04/19	LM	Second Issue.
A	27/03/19	LM	First Issue.

1:30,000
Scale @ A3

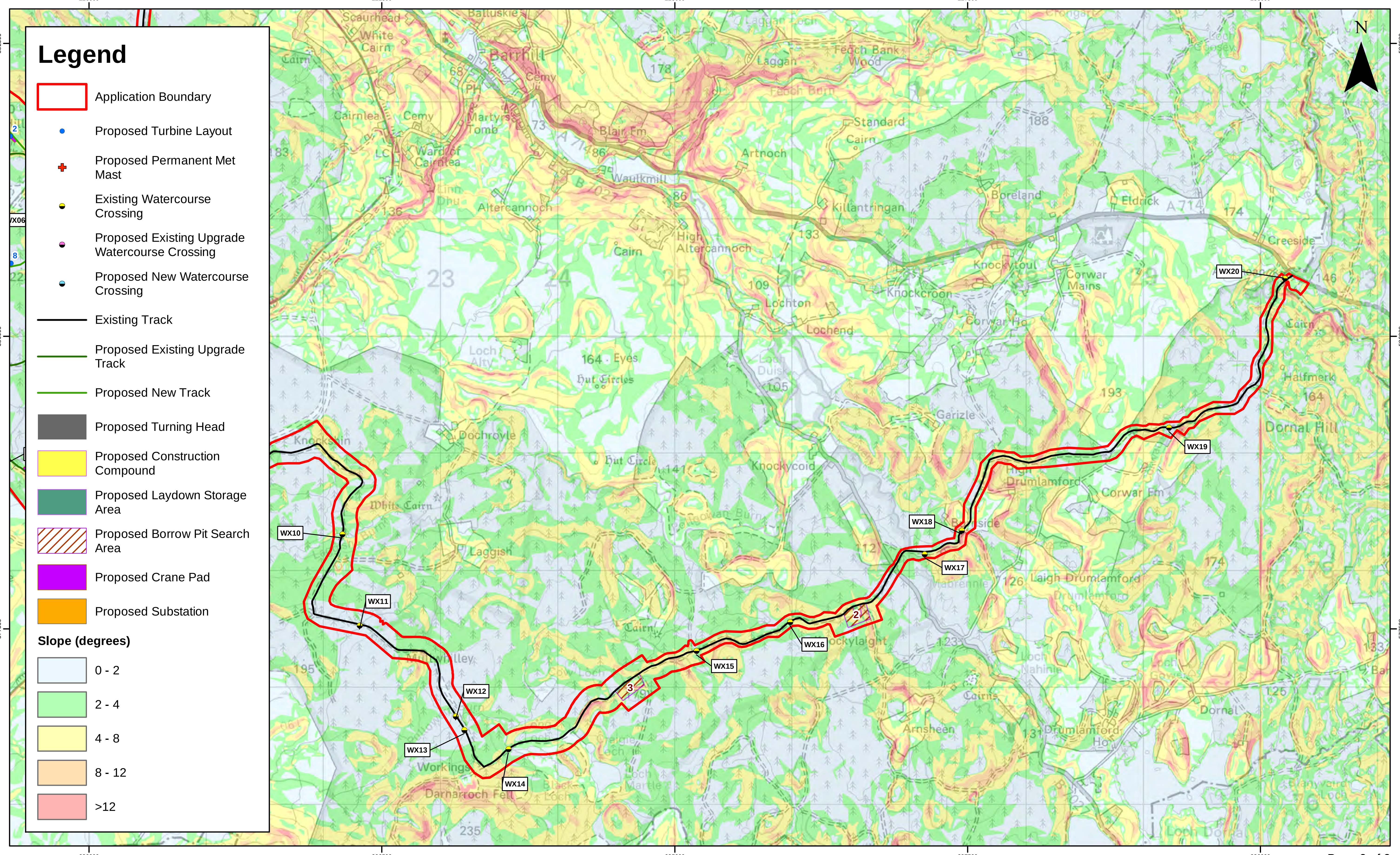
0 0.5 1 Km

Arecleoch Windfarm Extension - EIAR

Technical Appendix 10.1

Slope Plan

Drg No	00481.00049.10.1.6.2	
Rev	B	Datum: OSGB36 Projection: TM
Date	18/03/19	
Figure	10.1.6	



SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
B	24/04/19	LM	Second Issue.
A	27/03/19	LM	First Issue.

1:30,000
Scale @ A3

0 0.5 1 Km

Arecleoch Windfarm Extension - EIAR

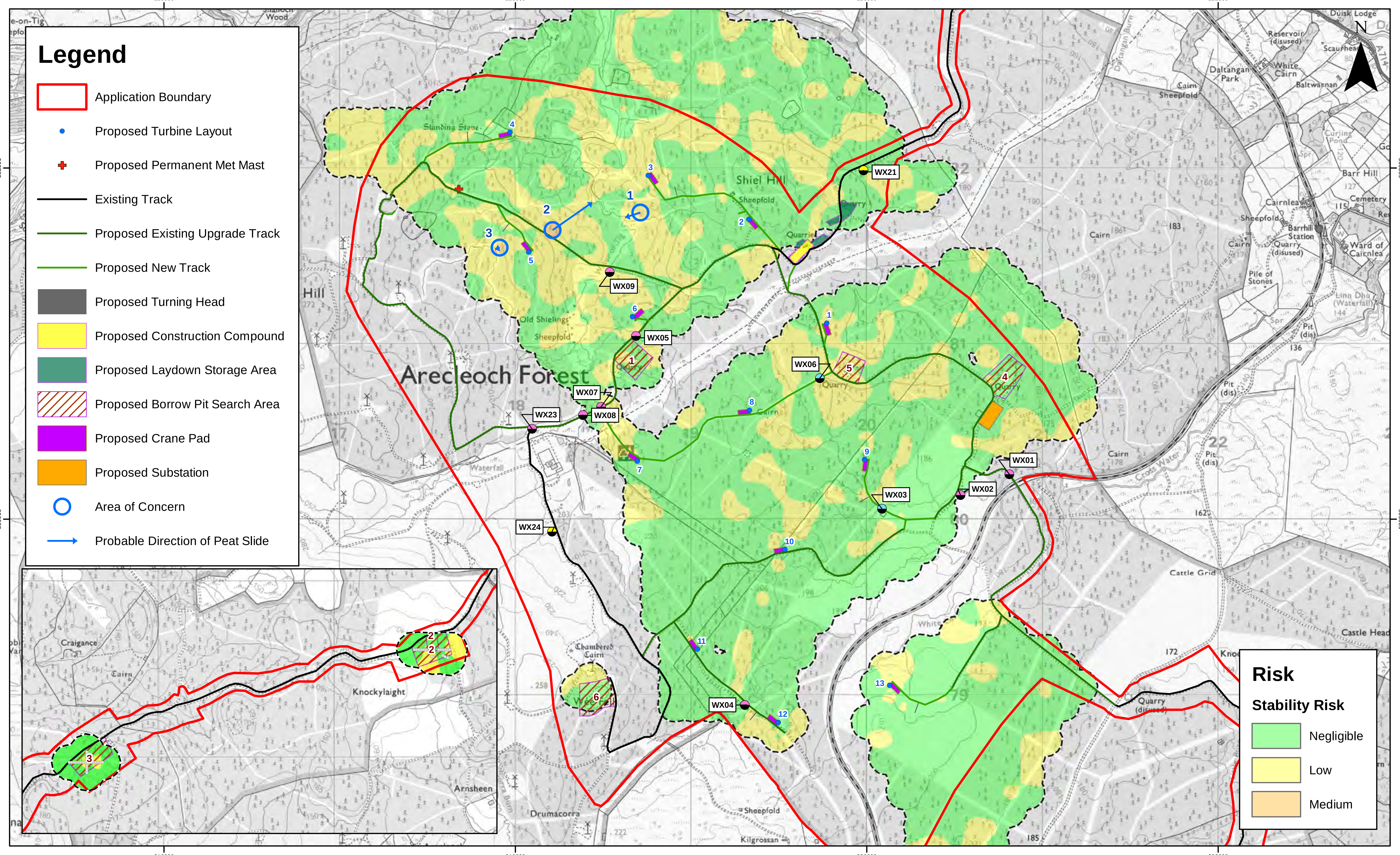
Technical Appendix 10.1

Slope Plan

Drg No	00481.00049.10.1.6.2	
Rev	B	Datum: OSGB36 Projection: TM
Date	18/03/19	
Figure	10.1.6	

FIGURE 10.1.7

Peat Slide Risk Plan



Rev	Date	By	Comment
C	13/05/19	LM	Third Issue
B	24/04/19	LM	Second Issue
A	27/03/19	LM	First Issue

SCOTTISHPOWER RENEWABLES

1:20,000 Scale @ A3

0 0.5 1 Km

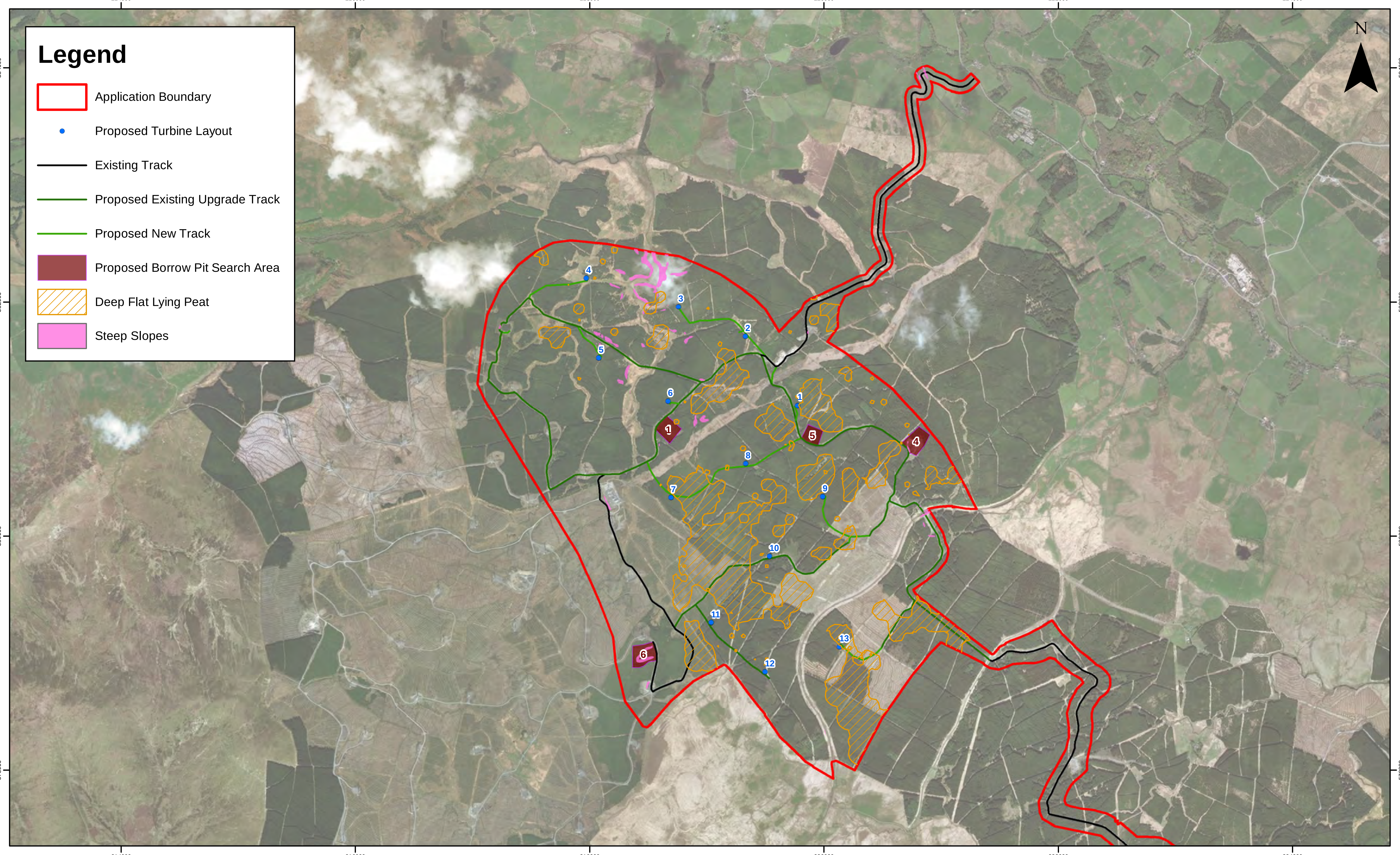
Arecleoch Windfarm Extension
Technical Appendix 10.1
Peat Slide Risk

Drg No	00481.00049.10.1.7.3
Rev	B
Date	13/05/19
Figure	10.1.7

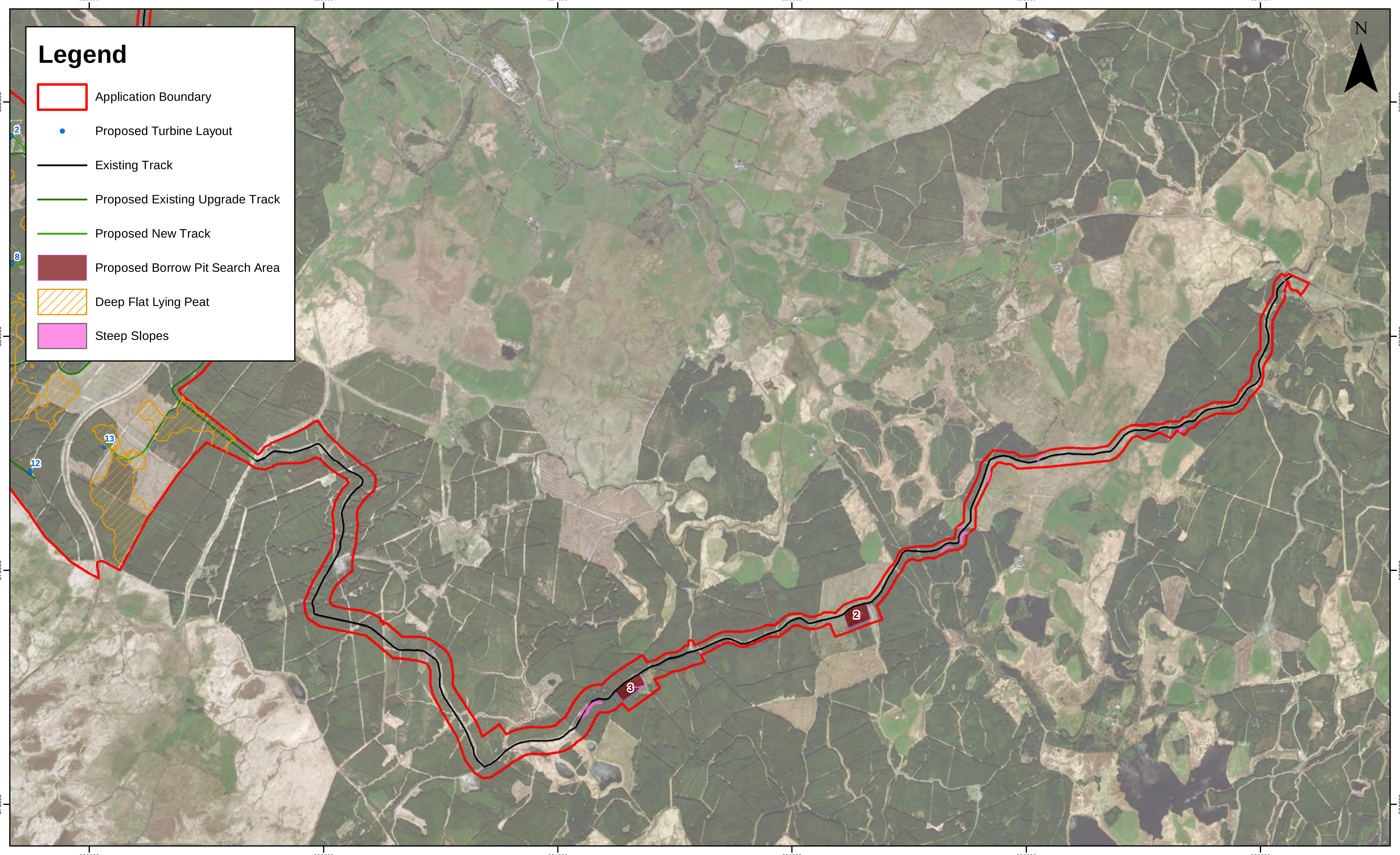
Datum: OSGB36
Projection: TM

FIGURE 10.1.8

Aerial Plan with Geomorphological Interpretation



SCOTTISHPOWER RENEWABLES				1:30,000 Scale @ A3	0 0.5 1 Km	Arecleoch Windfarm Extension - EIAR	Drg No	00481.00049.10.1.8.1	
	A	27/03/19	LM	First Issue.	© Crown Copyright 2019. All rights reserved. Ordnance Survey Licence 0100031673.	Technical Appendix 10.1	Rev	A	Datum: OSGB36 Projection: TM
	Rev	Date	By	Comment		Aerial Plan with Geomorphological Interpretation	Date	27/03/19	
							Figure	10.1.8	



SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	27/03/19	LM	First Issue.

1:30,000
Scale @ A3

0 0.5 1 Km

Arecleoch Windfarm Extension - EIAR

Technical Appendix 10.1

Aerial Plan with Geomorphological Interpretation

Drg No	00481.00049.10.1.8.1	
Rev	A	Datum: OSGB36 Projection: TM
Date	27/03/19	
Figure	10.1.8	

ANNEX A

Peat Risk Data

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
0	A885	218611.9922	583046.0266	19.0000	0.19	7.51	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1	A886	218711.9922	583046.0266	9.0000	0.09	7.70	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
2	A879	218511.9922	582946.0266	87.0000	0.87	3.22	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
3	A880	218611.9922	582946.0266	29.0000	0.29	7.53	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
4	A881	218711.9922	582946.0266	98.0000	0.98	5.67	4	Sand or Gravel	Thin Peat	2	1	8	Low
5	A882	218811.9922	582946.0266	83.0000	0.83	9.87	6	Sand or Gravel	Thin Peat	2	1	12	Low
6	A883	218911.9922	582946.0266	41.0000	0.41	10.69	6	Sand or Gravel	Peaty soil	1	1	6	Low
7	A884	219011.9922	582946.0266	42.0000	0.42	9.68	6	Sand or Gravel	Peaty soil	1	1	6	Low
8	A871	218411.9922	582846.0266	36.0000	0.36	7.36	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
9	A872	218511.9922	582846.0266	130.0000	1.30	0.91	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
10	A873	218611.9922	582846.0266	36.0000	0.36	15.74	8	Sand or Gravel	Peaty soil	1	1	8	Low
11	A874	218711.9922	582846.0266	35.0000	0.35	5.56	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
12	A875	218811.9922	582846.0266	44.0000	0.44	4.91	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
13	A876	218911.9922	582846.0266	27.0000	0.27	2.45	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
14	A877	219011.9922	582846.0266	32.0000	0.32	2.00	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
15	A878	219111.9922	582846.0266	37.0000	0.37	4.03	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
16	A857	218211.9922	582746.0266	11.0000	0.11	7.78	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
17	A858	218311.9922	582746.0266	22.0000	0.22	7.17	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
18	A859	218411.9922	582746.0266	24.0000	0.24	4.21	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
19	A860	218511.9922	582746.0266	75.0000	0.75	1.12	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
20	A861	218611.9922	582746.0266	57.0000	0.57	5.27	4	Sand or Gravel	Thin Peat	2	1	8	Low
21	A862	218711.9922	582746.0266	43.0000	0.43	0.95	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
22	A863	218811.9922	582746.0266	61.0000	0.61	1.51	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
23	A864	218911.9922	582746.0266	46.0000	0.46	1.00	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
24	A865	219011.9922	582746.0266	70.0000	0.70	0.17	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
25	A866	219111.9922	582746.0266	101.0000	1.01	1.52	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
26	A867	219211.9922	582746.0266	207.0000	2.07	2.75	2	Sand or Gravel	Thick Peat	3	1	6	Low
27	A868	219311.9922	582746.0266	26.0000	0.26	4.05	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
28	A869	219411.9922	582746.0266	13.0000	0.13	5.30	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
29	A870	219511.9922	582746.0266	368.0000	3.68	2.24	2	Sand or Gravel	Thick Peat	3	1	6	Low
30	A839	218011.9922	582646.0266	56.0000	0.56	2.37	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
31	A840	218111.9922	582646.0266	12.0000	0.12	8.58	6	Sand or Gravel	Peaty soil	1	1	6	Low
32	A841	218211.9922	582646.0266	16.0000	0.16	10.81	6	Sand or Gravel	Peaty soil	1	1	6	Low
33	A842	218311.9922	582646.0266	49.0000	0.49	5.93	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
34	A843	218411.9922	582646.0266	14.0000	0.14	12.97	8	Sand or Gravel	Peaty soil	1	1	8	Low
35	A844	218511.9922	582646.0266	22.0000	0.22	5.71	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
36	A845	218611.9922	582646.0266	67.0000	0.67	5.35	4	Sand or Gravel	Thin Peat	2	1	8	Low
37	A846	218711.9922	582646.0266	48.0000	0.48	2.78	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
38	A847	218811.9922	582646.0266	45.0000	0.45	2.77	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
39	A848	218911.9922	582646.0266	240.0000	2.40	2.23	2	Sand or Gravel	Thick Peat	3	1	6	Low
40	A849	219011.9922	582646.0266	194.0000	1.94	1.05	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
41	A850	219111.9922	582646.0266	62.0000	0.62	0.32	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
42	A851	219211.9922	582646.0266	84.0000	0.84	0.52	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
43	A852	219311.9922	582646.0266	29.0000	0.29	3.69	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
44	A853	219411.9922	582646.0266	38.0000	0.38	4.20	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
45	A854	219511.9922	582646.0266	39.0000	0.39	8.15	6	Sand or Gravel	Peaty soil	1	1	6	Low
46	A855	219611.9922	582646.0266	67.0000	0.67	5.56	4	Sand or Gravel	Thin Peat	2	1	8	Low
47	A856	219711.9922	582646.0266	47.0000	0.47	1.86	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
48	A819	217911.9922	582546.0266	90.0000	0.90	3.52	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
49	A820	218011.9922	582546.0266	40.0000	0.40	6.57	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
50	A821	218111.9922	582546.0266	9.0000	0.09	8.13	6	Sand or Gravel	Peaty soil	1	1	6	Low
51	A822	218211.9922	582546.0266	40.0000	0.40	3.64	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
52	A823	218311.9922	582546.0266	20.0000	0.20	10.08	6	Sand or Gravel	Peaty soil	1	1	6	Low
53	A824	218411.9922	582546.0266	95.0000	0.95	4.69	4	Sand or Gravel	Thin Peat	2	1	8	Low
54	A825	218511.9922	582546.0266	43.0000	0.43	3.00	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
55	A826	218611.9922	582546.0266	15.0000	0.15	10.12	6	Sand or Gravel	Peaty soil	1	1	6	Low
56	A827	218711.9922	582546.0266	52.0000	0.52	9.26	6	Sand or Gravel	Thin Peat	2	1	12	Low
57	A828	218811.9922	582546.0266	137.0000	1.37	1.95	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
58	A829	218911.9922	582546.0266	64.0000	0.64	2.46	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
59	A830	219011.9922	582546.0266	128.0000	1.28	2.45	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
60	A831	219111.9922	582546.0266	225.0000	2.25	4.57	4	Sand or Gravel	Thick Peat	3	1	12	Low
61	A832	219211.9922	582546.0266	102.0000	1.02	3.73	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
62	A833	219311.9922	582546.0266	153.0000	1.53	2.35	2	Sand or Gravel	Thick Peat	3	1	6	Low
63	A834	219411.9922	582546.0266	65.0000	0.65	2.74	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
64	A835	219511.9922	582546.0266	47.0000	0.47	3.40	2	Rock	Peaty soil	1	2	4	Negligible
65	A836	219611.9922	582546.0266	33.0000	0.33	4.70	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
66	A837	219711.9922	582546.0266	40.0000	0.40	1.42	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
67	A838	219811.9922	582546.0266	131.0000	1.31	0.94	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
68	A797	217811.9922	582446.0266	99.0000	0.99	3.21	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
69	A798	217911.9922	582446.0266	47.0000	0.47	6.03	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
70	A799	218011.9922	582446.0266	27.0000	0.27	5.20	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
71	A800	218111.9922	582446.0266	35.0000	0.35	6.67	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
72	A801	218211.9922	582446.0266	257.0000	2.57	3.30	2	Sand or Gravel	Thick Peat	3	1	6	Low

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
73	A802	218311.9922	582446.0266	56.0000	0.56	7.41	4	Sand or Gravel	Thin Peat	2	1	8	Low
74	A803	218411.9922	582446.0266	15.0000	0.15	10.46	6	Sand or Gravel	Peaty soil	1	1	6	Low
75	A804	218511.9922	582446.0266	61.0000	0.61	3.17	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
76	A805	218611.9922	582446.0266	14.0000	0.14	10.93	6	Sand or Gravel	Peaty soil	1	1	6	Low
77	A806	218711.9922	582446.0266	34.0000	0.34	3.66	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
78	A807	218811.9922	582446.0266	57.0000	0.57	7.50	4	Sand or Gravel	Thin Peat	2	1	8	Low
79	A808	218911.9922	582446.0266	364.0000	3.64	3.93	2	Sand or Gravel	Thick Peat	3	1	6	Low
80	A809	219011.9922	582446.0266	107.0000	1.07	1.57	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
81	A810	219111.9922	582446.0266	43.0000	0.43	3.55	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
82	A811	219211.9922	582446.0266	119.0000	1.19	2.07	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
83	A812	219311.9922	582446.0266	45.0000	0.45	0.12	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
84	A813	219411.9922	582446.0266	124.0000	1.24	2.26	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
85	A814	219511.9922	582446.0266	20.0000	0.20	5.02	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
86	A815	219611.9922	582446.0266	147.0000	1.47	2.45	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
87	A816	219711.9922	582446.0266	66.0000	0.66	5.49	4	Sand or Gravel	Thin Peat	2	1	8	Low
88	A817	219811.9922	582446.0266	29.0000	0.29	5.81	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
89	A818	219911.9922	582446.0266	403.0000	4.03	2.72	2	Sand or Gravel	Thick Peat	3	1	6	Low
90	A772	217611.9922	582346.0266	232.0000	2.32	1.89	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
91	A773	217711.9922	582346.0266	129.0000	1.29	2.18	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
92	A774	217811.9922	582346.0266	59.0000	0.59	1.61	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
93	A775	217911.9922	582346.0266	20.0000	0.20	4.39	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
94	A776	218011.9922	582346.0266	28.0000	0.28	5.29	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
95	A777	218111.9922	582346.0266	234.0000	2.34	3.80	2	Sand or Gravel	Thick Peat	3	1	6	Low
96	A778	218211.9922	582346.0266	67.0000	0.67	0.96	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
97	A779	218311.9922	582346.0266	50.0000	0.50	0.37	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
98	A780	218411.9922	582346.0266	60.0000	0.60	10.19	6	Sand or Gravel	Thin Peat	2	1	12	Low
99	A781	218511.9922	582346.0266	82.0000	0.82	1.58	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
100	A782	218611.9922	582346.0266	38.0000	0.38	8.45	6	Sand or Gravel	Peaty soil	1	1	6	Low
101	A783	218711.9922	582346.0266	17.0000	0.17	12.81	8	Sand or Gravel	Peaty soil	1	1	8	Low
102	A784	218811.9922	582346.0266	38.0000	0.38	1.79	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
103	A785	218911.9922	582346.0266	39.0000	0.39	5.18	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
104	A786	219011.9922	582346.0266	26.0000	0.26	7.74	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
105	A787	219111.9922	582346.0266	120.0000	1.20	3.74	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
106	A788	219211.9922	582346.0266	205.0000	2.05	2.68	2	Sand or Gravel	Thick Peat	3	1	6	Low
107	A789	219311.9922	582346.0266	137.0000	1.37	2.87	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
108	A790	219411.9922	582346.0266	110.0000	1.10	2.25	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
109	A791	219511.9922	582346.0266	31.0000	0.31	3.38	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
110	A792	219611.9922	582346.0266	18.0000	0.18	4.33	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
111	A793	219711.9922	582346.0266	41.0000	0.41	0.16	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
112	A794	219811.9922	582346.0266	34.0000	0.34	7.61	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
113	A795	219911.9922	582346.0266	38.0000	0.38	6.70	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
114	A796	220011.9922	582346.0266	29.0000	0.29	3.71	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
115	P2_A290	217760.1647	582207.5741	186.0000	1.86	3.94	2	Sand or Gravel	Thick Peat	3	1	6	Low
116	P2_A291	217755.8829	582216.6111	196.0000	1.96	3.94	2	Sand or Gravel	Thick Peat	3	1	6	Low
117	P2_A293	217808.3663	582220.5399	64.0000	0.64	1.88	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
118	P2_A294	217806.2513	582230.3147	107.0000	1.07	1.88	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
119	P2_A295	217810.9647	582210.8481	53.0000	0.53	2.88	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
120	P2_A296	217857.8913	582225.9089	43.0000	0.43	9.23	6	Sand or Gravel	Peaty soil	1	1	6	Low
121	P2_A297	217857.8913	582235.9089	54.0000	0.54	5.51	4	Sand or Gravel	Thin Peat	2	1	8	Low
122	P2_A298	217857.9501	582215.9089	34.0000	0.34	9.43	6	Sand or Gravel	Peaty soil	1	1	6	Low
123	P2_T349	217904.0000	582201.0000	22.0000	0.22	6.24	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
124	P2_T350	217904.0000	582211.0000	13.0000	0.13	6.24	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
125	P2_T351	217904.0000	582221.0000	21.0000	0.21	6.24	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
126	P2_T352	217904.0000	582231.0000	23.0000	0.23	5.61	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
127	P2_T353	217904.0000	582241.0000	27.0000	0.27	4.28	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
128	P2_T354	217904.0000	582251.0000	22.0000	0.22	7.17	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
129	P2_T355	217904.0000	582261.0000	20.0000	0.20	8.34	6	Sand or Gravel	Peaty soil	1	1	6	Low
130	P2_T356	217904.0000	582271.0000	11.0000	0.11	6.89	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
131	P2_T357	217914.0000	582201.0000	25.0000	0.25	6.24	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
132	P2_T358	217924.0000	582201.0000	20.0000	0.20	6.53	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
133	P2_T359	217934.0000	582201.0000	17.0000	0.17	7.63	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
134	P2_T360	217944.0000	582201.0000	12.0000	0.12	7.63	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
135	P2_T361	217954.0000	582201.0000	22.0000	0.22	6.81	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
136	P2_T362	217964.0000	582201.0000	37.0000	0.37	5.51	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
137	P2_T363	217974.0000	582201.0000	38.0000	0.38	4.99	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
138	P2_T371	217894.0000	582201.0000	29.0000	0.29	6.42	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
139	P2_T372	217884.0000	582201.0000	25.0000	0.25	6.54	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
140	P2_T373	217874.0000	582201.0000	23.0000	0.23	6.53	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
141	P2_T374	217864.0000	582201.0000	27.0000	0.27	7.57	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
142	P2_T375	217854.0000	582201.0000	34.0000	0.34	8.88	6	Sand or Gravel	Peaty soil	1	1	6	Low
143	P2_T376	217844.0000	582201.0000	31.0000	0.31	5.73	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
144	P2_T377	217834.0000	582201.0000	44.0000	0.44	5.65	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
145	P2_T378	217970.1459	582204.0692	21.0000	0.21	4.99	4	Sand or Gravel	Peaty soil	1	1	4	Negligible

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
146	P2_T379	217970.1459	582214.0692	34.0000	0.34	6.83	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
147	P2_T380	217970.1459	582224.0692	34.0000	0.34	6.85	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
148	P2_T381	217970.1459	582234.0692	29.0000	0.29	6.73	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
149	P2_T382	217970.1459	582244.0692	20.0000	0.20	6.26	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
150	P2_T383	217970.1459	582254.0692	22.0000	0.22	6.12	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
151	P2_T384	217970.1459	582264.0692	13.0000	0.13	6.16	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
152	P2_T385	217970.1459	582274.0692	20.0000	0.20	6.16	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
153	P2_T386	217980.1459	582204.0692	38.0000	0.38	4.79	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
154	P2_T387	217990.1459	582204.0692	70.0000	0.70	4.63	4	Sand or Gravel	Thin Peat	2	1	8	Low
155	P2_T388	218000.1459	582204.0692	35.0000	0.35	5.72	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
156	P2_T389	218010.1459	582204.0692	76.0000	0.76	6.05	4	Sand or Gravel	Thin Peat	2	1	8	Low
157	P2_T390	218020.1459	582204.0692	103.0000	1.03	4.92	4	Sand or Gravel	Thin Peat	2	1	8	Low
158	P2_T391	218030.1459	582204.0692	156.0000	1.56	4.26	4	Sand or Gravel	Thick Peat	3	1	12	Low
159	P2_T392	218040.1459	582204.0692	265.0000	2.65	4.02	4	Sand or Gravel	Thick Peat	3	1	12	Low
160	A741	217011.9922	582246.0266	55.0000	0.55	5.29	4	Sand or Gravel	Thin Peat	2	1	8	Low
161	A742	217111.9922	582246.0266	230.0000	2.30	5.53	4	Sand or Gravel	Thick Peat	3	1	12	Low
162	A743	217211.9922	582246.0266	65.0000	0.65	4.05	4	Sand or Gravel	Thin Peat	2	1	8	Low
163	A744	217311.9922	582246.0266	34.0000	0.34	3.19	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
164	A745	217411.9922	582246.0266	48.0000	0.48	4.50	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
165	A746	217511.9922	582246.0266	21.0000	0.21	4.20	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
166	A747	217611.9922	582246.0266	148.0000	1.48	3.72	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
167	A748	217711.9922	582246.0266	191.0000	1.91	0.44	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
168	A749	217811.9922	582246.0266	74.0000	0.74	1.87	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
169	A750	217911.9922	582246.0266	11.0000	0.11	4.19	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
170	A751	218011.9922	582246.0266	148.0000	1.48	6.60	4	Sand or Gravel	Thin Peat	2	1	8	Low
171	A752	218111.9922	582246.0266	45.0000	0.45	7.53	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
172	A753	218211.9922	582246.0266	89.0000	0.89	7.69	4	Sand or Gravel	Thin Peat	2	1	8	Low
173	A754	218311.9922	582246.0266	28.0000	0.28	11.27	6	Sand or Gravel	Peaty soil	1	1	6	Low
174	A755	218411.9922	582246.0266	29.0000	0.29	8.05	6	Sand or Gravel	Peaty soil	1	1	6	Low
175	A756	218511.9922	582246.0266	27.0000	0.27	12.22	8	Sand or Gravel	Peaty soil	1	1	8	Low
176	A757	218611.9922	582246.0266	36.0000	0.36	19.72	8	Sand or Gravel	Peaty soil	1	1	8	Low
177	A758	218711.9922	582246.0266	30.0000	0.30	19.55	8	Sand or Gravel	Peaty soil	1	1	8	Low
178	A759	218811.9922	582246.0266	23.0000	0.23	12.51	8	Sand or Gravel	Peaty soil	1	1	8	Low
179	A760	218911.9922	582246.0266	70.0000	0.70	8.33	6	Sand or Gravel	Thin Peat	2	1	12	Low
180	A761	219011.9922	582246.0266	52.0000	0.52	5.03	4	Sand or Gravel	Thin Peat	2	1	8	Low
181	A762	219111.9922	582246.0266	35.0000	0.35	7.60	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
182	A763	219211.9922	582246.0266	55.0000	0.55	7.62	4	Sand or Gravel	Thin Peat	2	1	8	Low
183	A764	219311.9922	582246.0266	38.0000	0.38	6.34	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
184	A765	219411.9922	582246.0266	233.0000	2.33	4.96	4	Rock	Thick Peat	3	2	24	Medium
185	A766	219511.9922	582246.0266	25.0000	0.25	3.33	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
186	A767	219611.9922	582246.0266	28.0000	0.28	6.39	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
187	A768	219711.9922	582246.0266	220.0000	2.20	1.74	1	Rock	Thick Peat	3	2	6	Low
188	A769	219811.9922	582246.0266	244.0000	2.44	1.61	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
189	A770	219911.9922	582246.0266	91.0000	0.91	5.60	4	Sand or Gravel	Thin Peat	2	1	8	Low
190	A771	220011.9922	582246.0266	62.0000	0.62	8.05	6	Sand or Gravel	Thin Peat	2	1	12	Low
191	P2_A279	217578.1943	582123.1403	47.0000	0.47	3.54	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
192	P2_A281	217626.9387	582138.8479	35.0000	0.35	4.69	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
193	P2_A282	217621.8745	582147.4723	27.0000	0.27	4.67	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
194	P2_A283	217631.6167	582130.0083	19.0000	0.19	4.67	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
195	P2_A284	217670.6271	582163.1651	90.0000	0.90	4.47	4	Sand or Gravel	Thin Peat	2	1	8	Low
196	P2_A285	217665.5629	582171.7893	56.0000	0.56	4.71	4	Sand or Gravel	Thin Peat	2	1	8	Low
197	P2_A286	217675.3051	582154.3253	60.0000	0.60	4.52	4	Sand or Gravel	Thin Peat	2	1	8	Low
198	P2_A287	217714.8741	582186.3897	155.0000	1.55	4.23	4	Sand or Gravel	Thick Peat	3	1	12	Low
199	P2_A288	217710.5923	582195.4267	193.0000	1.93	3.75	2	Sand or Gravel	Thick Peat	3	1	6	Low
200	P2_A289	217719.2875	582177.4141	96.0000	0.96	4.66	4	Sand or Gravel	Thin Peat	2	1	8	Low
201	P2_A292	217763.6787	582198.2117	117.0000	1.17	3.16	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
202	P2_A299	217769.1392	582173.6955	52.0000	0.52	3.10	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
203	P2_A300	217772.6647	582183.0549	53.0000	0.53	3.66	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
204	P2_A301	217765.2035	582164.5013	54.0000	0.54	3.14	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
205	P2_A302	217820.9708	582155.1867	87.0000	0.87	2.07	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
206	P2_A303	217823.2430	582164.9263	114.0000	1.14	2.97	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
207	P2_A304	217818.2702	582145.5569	225.0000	2.25	2.06	2	Sand or Gravel	Thick Peat	3	1	6	Low
208	P2_A305	217871.5305	582146.1797	74.0000	0.74	5.52	4	Sand or Gravel	Thin Peat	2	1	8	Low
209	P2_A306	217872.0208	582156.1677	94.0000	0.94	5.52	4	Sand or Gravel	Thin Peat	2	1	8	Low
210	P2_A307	217871.1852	582136.1837	43.0000	0.43	5.52	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
211	P2_A308	217935.6245	582157.2754	68.0000	0.68	3.88	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
212	P2_A309	217930.8190	582166.0451	81.0000	0.81	4.09	4	Sand or Gravel	Thin Peat	2	1	8	Low
213	P2_A310	217939.6827	582148.1357	51.0000	0.51	4.05	4	Sand or Gravel	Thin Peat	2	1	8	Low
214	P2_H01	217802.1983	582155.9944	75.0000	0.75	3.61	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
215	P2_T364	217904.0000	582191.0000	11.0000	0.11	6.31	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
216	P2_T365	217904.0000	582181.0000	16.0000	0.16	6.53	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
217	P2_T366	217904.0000	582171.0000	26.0000	0.26	5.92	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
218	P2_T367	217904.0000	582161.0000	51.0000	0.51	5.47	4	Sand or Gravel	Thin Peat	2	1	8	Low

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
219	P2_T368	217904.0000	582151.0000	90.0000	0.90	5.14	4	Sand or Gravel	Thin Peat	2	1	8	Low
220	P2_T369	217904.0000	582141.0000	74.0000	0.74	5.04	4	Sand or Gravel	Thin Peat	2	1	8	Low
221	P2_T370	217904.0000	582131.0000	58.0000	0.58	5.03	4	Sand or Gravel	Thin Peat	2	1	8	Low
222	P2_T393	217970.1459	582194.0692	20.0000	0.20	4.65	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
223	P2_T394	217970.1459	582184.0692	20.0000	0.20	4.95	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
224	P2_T395	217970.1459	582174.0692	21.0000	0.21	4.95	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
225	P2_T396	217970.1459	582164.0692	15.0000	0.15	4.91	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
226	P2_T397	217970.1459	582154.0692	32.0000	0.32	4.24	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
227	P2_T398	217970.1459	582144.0692	24.0000	0.24	7.30	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
228	P2_T399	217970.1459	582134.0692	39.0000	0.39	10.50	6	Sand or Gravel	Peaty soil	1	1	6	Low
229	A709	217011.9922	582146.0266	93.0000	0.93	3.83	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
230	A710	217111.9922	582146.0266	141.0000	1.41	4.23	4	Sand or Gravel	Thin Peat	2	1	8	Low
231	A711	217211.9922	582146.0266	106.0000	1.06	4.21	4	Sand or Gravel	Thin Peat	2	1	8	Low
232	A712	217311.9922	582146.0266	109.0000	1.09	2.43	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
233	A713	217411.9922	582146.0266	51.0000	0.51	5.48	4	Sand or Gravel	Thin Peat	2	1	8	Low
234	A714	217511.9922	582146.0266	89.0000	0.89	5.81	4	Sand or Gravel	Thin Peat	2	1	8	Low
235	A715	217611.9922	582146.0266	27.0000	0.27	4.74	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
236	A716	217711.9922	582146.0266	39.0000	0.39	4.50	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
237	A717	217811.9922	582146.0266	159.0000	1.59	2.06	2	Sand or Gravel	Thick Peat	3	1	6	Low
238	A718	217911.9922	582146.0266	39.0000	0.39	5.04	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
239	A719	218011.9922	582146.0266	17.0000	0.17	2.26	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
240	A720	218111.9922	582146.0266	69.0000	0.69	3.17	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
241	A721	218211.9922	582146.0266	15.0000	0.15	13.46	8	Sand or Gravel	Peaty soil	1	1	8	Low
242	A722	218311.9922	582146.0266	16.0000	0.16	9.78	6	Sand or Gravel	Peaty soil	1	1	6	Low
243	A723	218411.9922	582146.0266	41.0000	0.41	14.97	8	Sand or Gravel	Peaty soil	1	1	8	Low
244	A724	218511.9922	582146.0266	34.0000	0.34	20.47	8	Sand or Gravel	Peaty soil	1	1	8	Low
245	A725	218611.9922	582146.0266	37.0000	0.37	10.13	6	Sand or Gravel	Peaty soil	1	1	6	Low
246	A726	218711.9922	582146.0266	35.0000	0.35	11.80	6	Sand or Gravel	Peaty soil	1	1	6	Low
247	A727	218811.9922	582146.0266	49.0000	0.49	5.95	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
248	A728	218911.9922	582146.0266	56.0000	0.56	3.59	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
249	A729	219011.9922	582146.0266	57.0000	0.57	5.23	4	Sand or Gravel	Thin Peat	2	1	8	Low
250	A730	219111.9922	582146.0266	60.0000	0.60	5.23	4	Sand or Gravel	Thin Peat	2	1	8	Low
251	A731	219211.9922	582146.0266	46.0000	0.46	5.87	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
252	A732	219311.9922	582146.0266	29.0000	0.29	6.50	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
253	A733	219411.9922	582146.0266	32.0000	0.32	8.36	6	Sand or Gravel	Peaty soil	1	1	6	Low
254	A734	219511.9922	582146.0266	58.0000	0.58	7.41	4	Sand or Gravel	Thin Peat	2	1	8	Low
255	A735	219611.9922	582146.0266	53.0000	0.53	7.04	4	Sand or Gravel	Thin Peat	2	1	8	Low
256	A736	219711.9922	582146.0266	35.0000	0.35	7.36	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
257	A737	219811.9922	582146.0266	195.0000	1.95	2.18	2	Sand or Gravel	Thick Peat	3	1	6	Low
258	A738	219911.9922	582146.0266	41.0000	0.41	5.44	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
259	A739	220011.9922	582146.0266	49.0000	0.49	4.02	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
260	A740	220111.9922	582146.0266	34.0000	0.34	2.61	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
261	P2_A269	217496.0897	582065.5449	85.0000	0.85	7.51	4	Sand or Gravel	Thin Peat	2	1	8	Low
262	P2_A270	217491.0257	582074.1687	44.0000	0.44	7.52	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
263	P2_A271	217500.8207	582056.7347	60.0000	0.60	6.33	4	Sand or Gravel	Thin Peat	2	1	8	Low
264	P2_A272	217478.3013	582054.6585	19.0000	0.19	7.69	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
265	P2_A273	217496.1855	582045.7117	35.0000	0.35	7.98	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
266	P2_A274	217487.3291	582050.3557	28.0000	0.28	7.51	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
267	P2_A275	217539.6665	582090.0265	58.0000	0.58	5.58	4	Sand or Gravel	Thin Peat	2	1	8	Low
268	P2_A276	217534.6023	582098.6505	34.0000	0.34	5.77	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
269	P2_A277	217544.3445	582081.1865	66.0000	0.66	4.64	4	Sand or Gravel	Thin Peat	2	1	8	Low
270	P2_A278	217583.2583	582114.5163	57.0000	0.57	4.08	4	Sand or Gravel	Thin Peat	2	1	8	Low
271	P2_A280	217587.9365	582105.6763	51.0000	0.51	4.73	4	Sand or Gravel	Thin Peat	2	1	8	Low
272	A677	217011.9922	582046.0266	54.0000	0.54	6.73	4	Sand or Gravel	Thin Peat	2	1	8	Low
273	A678	217111.9922	582046.0266	88.0000	0.88	5.68	4	Sand or Gravel	Thin Peat	2	1	8	Low
274	A679	217211.9922	582046.0266	70.0000	0.70	5.10	4	Sand or Gravel	Thin Peat	2	1	8	Low
275	A680	217311.9922	582046.0266	50.0000	0.50	3.16	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
276	A681	217411.9922	582046.0266	76.0000	0.76	6.81	4	Sand or Gravel	Thin Peat	2	1	8	Low
277	A682	217511.9922	582046.0266	79.0000	0.79	6.74	4	Sand or Gravel	Thin Peat	2	1	8	Low
278	A683	217611.9922	582046.0266	70.0000	0.70	5.22	4	Sand or Gravel	Thin Peat	2	1	8	Low
279	A684	217711.9922	582046.0266	33.0000	0.33	2.54	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
280	A685	217811.9922	582046.0266	53.0000	0.53	2.33	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
281	A686	217911.9922	582046.0266	36.0000	0.36	3.56	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
282	A687	218011.9922	582046.0266	27.0000	0.27	4.02	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
283	A688	218111.9922	582046.0266	25.0000	0.25	4.62	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
284	A689	218211.9922	582046.0266	51.0000	0.51	2.91	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
285	A690	218311.9922	582046.0266	19.0000	0.19	3.95	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
286	A691	218411.9922	582046.0266	41.0000	0.41	17.36	8	Sand or Gravel	Peaty soil	1	1	8	Low
287	A692	218511.9922	582046.0266	37.0000	0.37	4.12	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
288	A693	218611.9922	582046.0266	409.0000	4.09	1.50	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
289	A694	218711.9922	582046.0266	57.0000	0.57	11.50	6	Sand or Gravel	Thin Peat	2	1	12	Low
290	A695	218811.9922	582046.0266	46.0000	0.46	5.23	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
291	A696	218911.9922	582046.0266	97.0000	0.97	2.56	2	Sand or Gravel	Thin Peat	2	1	4	Negligible

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
292	A697	219011.9922	582046.0266	142.0000	1.42	1.70	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
293	A698	219111.9922	582046.0266	40.0000	0.40	3.78	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
294	A699	219211.9922	582046.0266	45.0000	0.45	0.68	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
295	A700	219311.9922	582046.0266	44.0000	0.44	4.60	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
296	A701	219411.9922	582046.0266	68.0000	0.68	4.78	4	Sand or Gravel	Thin Peat	2	1	8	Low
297	A702	219511.9922	582046.0266	32.0000	0.32	6.98	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
298	A703	219611.9922	582046.0266	72.0000	0.72	5.53	4	Sand or Gravel	Thin Peat	2	1	8	Low
299	A704	219711.9922	582046.0266	60.0000	0.60	6.35	4	Sand or Gravel	Thin Peat	2	1	8	Low
300	A705	219811.9922	582046.0266	47.0000	0.47	6.00	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
301	A706	219911.9922	582046.0266	258.0000	2.58	1.71	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
302	A707	220011.9922	582046.0266	56.0000	0.56	1.21	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
303	A708	220111.9922	582046.0266	44.0000	0.44	3.72	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
304	P2_T321	218758.0000	581968.0000	57.0000	0.57	10.56	6	Sand or Gravel	Thin Peat	2	1	12	Low
305	P2_T322	218758.0000	581978.0000	62.0000	0.62	10.55	6	Sand or Gravel	Thin Peat	2	1	12	Low
306	P2_T323	218758.0000	581988.0000	67.0000	0.67	10.57	6	Sand or Gravel	Thin Peat	2	1	12	Low
307	P2_T324	218758.0000	581998.0000	65.0000	0.65	10.57	6	Sand or Gravel	Thin Peat	2	1	12	Low
308	P2_T325	218758.0000	582008.0000	67.0000	0.67	10.57	6	Sand or Gravel	Thin Peat	2	1	12	Low
309	P2_T326	218758.0000	582018.0000	38.0000	0.38	10.54	6	Sand or Gravel	Peaty soil	1	1	6	Low
310	P2_T327	218758.0000	582028.0000	53.0000	0.53	10.57	6	Sand or Gravel	Thin Peat	2	1	12	Low
311	P2_A265	218781.4087	581892.0231	57.0000	0.57	6.38	4	Sand or Gravel	Thin Peat	2	1	8	Low
312	P2_A266	218791.3867	581892.6863	64.0000	0.64	6.37	4	Sand or Gravel	Thin Peat	2	1	8	Low
313	P2_A267	218781.1121	581942.0175	67.0000	0.67	6.65	4	Sand or Gravel	Thin Peat	2	1	8	Low
314	P2_A268	218791.1113	581941.7963	81.0000	0.81	5.61	4	Sand or Gravel	Thin Peat	2	1	8	Low
315	P2_B174	217678.9387	581888.2964	84.0000	0.84	1.68	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
316	P2_B177	217678.9387	581898.2964	76.0000	0.76	1.14	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
317	P2_H03	218880.1149	581895.1978	134.0000	1.34	2.63	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
318	P2_T320	218758.0000	581958.0000	70.0000	0.70	10.00	6	Sand or Gravel	Thin Peat	2	1	12	Low
319	P2_T328	218768.0000	581958.0000	58.0000	0.58	7.69	4	Sand or Gravel	Thin Peat	2	1	8	Low
320	P2_T329	218778.0000	581958.0000	73.0000	0.73	6.17	4	Sand or Gravel	Thin Peat	2	1	8	Low
321	P2_T330	218788.0000	581958.0000	58.0000	0.58	6.36	4	Sand or Gravel	Thin Peat	2	1	8	Low
322	P2_T331	218798.0000	581958.0000	83.0000	0.83	6.12	4	Sand or Gravel	Thin Peat	2	1	8	Low
323	P2_T332	218808.0000	581958.0000	61.0000	0.61	4.52	4	Sand or Gravel	Thin Peat	2	1	8	Low
324	P2_T333	218818.0000	581958.0000	45.0000	0.45	4.39	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
325	P2_T334	218828.0000	581958.0000	56.0000	0.56	4.47	4	Sand or Gravel	Thin Peat	2	1	8	Low
326	P2_T335	218758.0000	581948.0000	79.0000	0.79	9.67	6	Sand or Gravel	Thin Peat	2	1	12	Low
327	P2_T336	218758.0000	581938.0000	48.0000	0.48	8.54	6	Sand or Gravel	Peaty soil	1	1	6	Low
328	P2_T337	218758.0000	581928.0000	56.0000	0.56	7.38	4	Sand or Gravel	Thin Peat	2	1	8	Low
329	P2_T338	218758.0000	581918.0000	50.0000	0.50	7.26	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
330	P2_T339	218758.0000	581908.0000	67.0000	0.67	7.12	4	Sand or Gravel	Thin Peat	2	1	8	Low
331	P2_T340	218758.0000	581898.0000	67.0000	0.67	6.84	4	Sand or Gravel	Thin Peat	2	1	8	Low
332	P2_T341	218758.0000	581888.0000	42.0000	0.42	6.43	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
333	P2_T342	218748.0000	581958.0000	50.0000	0.50	9.60	6	Sand or Gravel	Peaty soil	1	1	6	Low
334	P2_T343	218738.0000	581958.0000	31.0000	0.31	9.54	6	Sand or Gravel	Peaty soil	1	1	6	Low
335	P2_T344	218728.0000	581958.0000	32.0000	0.32	9.53	6	Sand or Gravel	Peaty soil	1	1	6	Low
336	P2_T345	218718.0000	581958.0000	42.0000	0.42	9.30	6	Sand or Gravel	Peaty soil	1	1	6	Low
337	P2_T346	218708.0000	581958.0000	38.0000	0.38	9.18	6	Sand or Gravel	Peaty soil	1	1	6	Low
338	P2_T347	218698.0000	581958.0000	55.0000	0.55	9.18	6	Sand or Gravel	Thin Peat	2	1	12	Low
339	P2_T348	218688.0000	581958.0000	67.0000	0.67	9.18	6	Sand or Gravel	Thin Peat	2	1	12	Low
340	A645	217311.9922	581946.0266	67.0000	0.67	4.15	4	Sand or Gravel	Thin Peat	2	1	8	Low
341	A646	217411.9922	581946.0266	63.0000	0.63	8.44	6	Sand or Gravel	Thin Peat	2	1	12	Low
342	A647	217511.9922	581946.0266	101.0000	1.01	5.51	4	Sand or Gravel	Thin Peat	2	1	8	Low
343	A648	217611.9922	581946.0266	21.0000	0.21	6.68	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
344	A649	217711.9922	581946.0266	66.0000	0.66	3.38	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
345	A650	217811.9922	581946.0266	127.0000	1.27	3.86	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
346	A651	217911.9922	581946.0266	353.0000	3.53	4.08	4	Sand or Gravel	Thick Peat	3	1	12	Low
347	A652	218011.9922	581946.0266	42.0000	0.42	5.28	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
348	A653	218111.9922	581946.0266	49.0000	0.49	4.54	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
349	A654	218211.9922	581946.0266	51.0000	0.51	5.07	4	Sand or Gravel	Thin Peat	2	1	8	Low
350	A655	218311.9922	581946.0266	51.0000	0.51	2.70	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
351	A656	218411.9922	581946.0266	134.0000	1.34	2.93	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
352	A657	218511.9922	581946.0266	366.0000	3.66	7.58	4	Sand or Gravel	Thick Peat	3	1	12	Low
353	A658	218611.9922	581946.0266	186.0000	1.86	2.50	2	Sand or Gravel	Thick Peat	3	1	6	Low
354	A659	218711.9922	581946.0266	60.0000	0.60	8.69	6	Sand or Gravel	Thin Peat	2	1	12	Low
355	A660	218811.9922	581946.0266	70.0000	0.70	4.44	4	Sand or Gravel	Thin Peat	2	1	8	Low
356	A661	218911.9922	581946.0266	108.0000	1.08	3.58	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
357	A662	219011.9922	581946.0266	208.0000	2.08	3.49	2	Sand or Gravel	Thick Peat	3	1	6	Low
358	A663	219111.9922	581946.0266	82.0000	0.82	1.58	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
359	A664	219211.9922	581946.0266	20.0000	0.20	4.51	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
360	A665	219311.9922	581946.0266	47.0000	0.47	2.45	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
361	A666	219411.9922	581946.0266	67.0000	0.67	3.22	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
362	A667	219511.9922	581946.0266	49.0000	0.49	3.90	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
363	A668	219611.9922	581946.0266	218.0000	2.18	3.95	2	Sand or Gravel	Thick Peat	3	1	6	Low
364	A669	219711.9922	581946.0266	218.0000	2.18	2.72	2	Sand or Gravel	Thick Peat	3	1	6	Low

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
365	A670	219811.9922	581946.0266	34.0000	0.34	6.73	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
366	A671	219911.9922	581946.0266	44.0000	0.44	3.03	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
367	A672	220011.9922	581946.0266	319.0000	3.19	3.62	2	Sand or Gravel	Thick Peat	3	1	6	Low
368	A673	220111.9922	581946.0266	225.0000	2.25	3.02	2	Sand or Gravel	Thick Peat	3	1	6	Low
369	A674	220211.9922	581946.0266	62.0000	0.62	4.13	4	Sand or Gravel	Thin Peat	2	1	8	Low
370	A675	220311.9922	581946.0266	30.0000	0.30	2.97	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
371	A676	220411.9922	581946.0266	317.0000	3.17	1.15	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
372	P2_A233	219288.1505	581802.5461	29.0000	0.29	3.10	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
373	P2_A235	219244.1553	581828.0299	16.0000	0.16	2.23	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
374	P2_A236	219250.6585	581835.6273	23.0000	0.23	2.21	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
375	P2_A237	219237.3213	581820.7265	35.0000	0.35	2.26	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
376	P2_A238	218902.6441	581835.1819	47.0000	0.47	6.01	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
377	P2_A239	218901.7601	581845.1441	36.0000	0.36	5.75	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
378	P2_A240	218903.9677	581825.2687	42.0000	0.42	5.82	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
379	P2_A241	218852.9689	581836.3601	46.0000	0.46	4.37	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
380	P2_A242	218853.8531	581846.3229	50.0000	0.50	7.64	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
381	P2_A243	218851.6453	581826.4475	43.0000	0.43	4.31	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
382	P2_A244	219002.3393	581840.4129	32.0000	0.32	4.93	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
383	P2_A245	219002.3393	581850.4129	45.0000	0.45	3.27	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
384	P2_A246	219002.6817	581830.4109	37.0000	0.37	5.02	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
385	P2_A247	218952.3399	581840.6839	37.0000	0.37	4.90	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
386	P2_A248	218952.7939	581830.6899	37.0000	0.37	4.93	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
387	P2_A249	218952.2195	581850.6831	43.0000	0.43	4.93	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
388	P2_A250	219052.0521	581844.8469	128.0000	1.28	3.42	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
389	P2_A251	219053.3757	581834.9349	146.0000	1.46	3.27	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
390	P2_A252	219051.2145	581854.8207	57.0000	0.57	4.04	4	Sand or Gravel	Thin Peat	2	1	8	Low
391	P2_A253	219101.7261	581850.5333	50.0000	0.50	3.29	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
392	P2_A254	219100.8421	581860.4951	49.0000	0.49	2.99	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
393	P2_A255	219103.0497	581840.6199	33.0000	0.33	2.24	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
394	P2_A256	219200.5353	581851.2003	103.0000	1.03	4.08	4	Sand or Gravel	Thin Peat	2	1	8	Low
395	P2_A257	219204.0025	581860.5825	50.0000	0.50	3.78	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
396	P2_A258	219196.6571	581841.9823	75.0000	0.75	5.01	4	Sand or Gravel	Thin Peat	2	1	8	Low
397	P2_A259	219151.5565	581854.3799	47.0000	0.47	4.92	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
398	P2_A260	219151.9987	581844.3897	27.0000	0.27	4.57	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
399	P2_A261	219151.8345	581864.3759	57.0000	0.57	4.92	4	Sand or Gravel	Thin Peat	2	1	8	Low
400	P2_A262	218806.9491	581854.5095	39.0000	0.39	6.76	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
401	P2_A263	218812.0135	581863.1335	42.0000	0.42	6.78	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
402	P2_A264	218801.5081	581846.1177	57.0000	0.57	6.80	4	Sand or Gravel	Thin Peat	2	1	8	Low
403	P2_B173	217678.9387	581878.2964	55.0000	0.55	1.87	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
404	P2_B175	217688.9387	581878.2964	87.0000	0.87	1.87	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
405	P2_B176	217698.9387	581878.2964	182.0000	1.82	1.87	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
406	P2_B178	217678.9387	581868.2964	161.0000	1.61	1.79	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
407	P2_B179	217668.9387	581878.2964	60.0000	0.60	2.45	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
408	P2_B180	217658.9387	581878.2964	134.0000	1.34	4.44	4	Sand or Gravel	Thin Peat	2	1	8	Low
409	A615	217411.9922	581846.0266	61.0000	0.61	4.50	4	Sand or Gravel	Thin Peat	2	1	8	Low
410	A616	217511.9922	581846.0266	43.0000	0.43	7.33	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
411	A617	217611.9922	581846.0266	85.0000	0.85	3.14	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
412	A618	217711.9922	581846.0266	107.0000	1.07	1.32	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
413	A619	217811.9922	581846.0266	75.0000	0.75	3.43	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
414	A620	217911.9922	581846.0266	208.0000	2.08	1.55	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
415	A621	218011.9922	581846.0266	75.0000	0.75	5.92	4	Sand or Gravel	Thin Peat	2	1	8	Low
416	A622	218111.9922	581846.0266	102.0000	1.02	3.84	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
417	A623	218211.9922	581846.0266	99.0000	0.99	3.96	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
418	A624	218311.9922	581846.0266	49.0000	0.49	4.11	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
419	A625	218411.9922	581846.0266	72.0000	0.72	4.95	4	Sand or Gravel	Thin Peat	2	1	8	Low
420	A626	218511.9922	581846.0266	73.0000	0.73	3.65	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
421	A627	218611.9922	581846.0266	51.0000	0.51	3.68	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
422	A628	218711.9922	581846.0266	59.0000	0.59	3.79	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
423	A629	218811.9922	581846.0266	47.0000	0.47	6.78	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
424	A630	218911.9922	581846.0266	58.0000	0.58	3.55	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
425	A631	219011.9922	581846.0266	45.0000	0.45	3.33	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
426	A632	219111.9922	581846.0266	15.0000	0.15	2.67	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
427	A633	219211.9922	581846.0266	0.0000	0.00	3.70	2	Sand or Gravel	No Peat	0	1	0	Negligible
428	A634	219311.9922	581846.0266	29.0000	0.29	7.27	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
429	A635	219411.9922	581846.0266	42.0000	0.42	4.32	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
430	A636	219511.9922	581846.0266	49.0000	0.49	4.35	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
431	A637	219611.9922	581846.0266	38.0000	0.38	3.10	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
432	A638	219711.9922	581846.0266	145.0000	1.45	3.59	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
433	A639	219811.9922	581846.0266	53.0000	0.53	4.29	4	Sand or Gravel	Thin Peat	2	1	8	Low
434	A640	219911.9922	581846.0266	322.0000	3.22	1.92	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
435	A641	220011.9922	581846.0266	70.0000	0.70	1.28	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
436	A642	220111.9922	581846.0266	640.0000	6.40	2.40	2	Sand or Gravel	Thick Peat	3	1	6	Low
437	A643	220211.9922	581846.0266	256.0000	2.56	1.62	1	Sand or Gravel	Thick Peat	3	1	3	Negligible

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
438	A644	220311.9922	581846.0266	168.0000	1.68	2.07	2	Sand or Gravel	Thick Peat	3	1	6	Low
439	P2_A221	217933.0869	581727.7389	59.0000	0.59	4.07	4	Sand or Gravel	Thin Peat	2	1	8	Low
440	P2_A222	217941.8201	581732.6107	43.0000	0.43	4.17	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
441	P2_A223	217924.3691	581722.8387	62.0000	0.62	4.61	4	Sand or Gravel	Thin Peat	2	1	8	Low
442	P2_A224	219314.2275	581755.2209	24.0000	0.24	6.88	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
443	P2_A225	219273.2789	581742.0911	32.0000	0.32	1.05	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
444	P2_A226	219321.1297	581762.6267	15.0000	0.15	6.87	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
445	P2_A227	219310.5957	581743.8003	0.0000	0.00	2.03	2	Sand or Gravel	No Peat	0	1	0	Negligible
446	P2_A228	219297.4143	581760.4947	0.0000	0.00	1.03	1	Sand or Gravel	No Peat	0	1	0	Negligible
447	P2_A229	217909.0747	581771.5957	41.0000	0.41	6.72	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
448	P2_A230	217917.8079	581776.4675	26.0000	0.26	6.00	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
449	P2_A231	217900.4789	581766.4727	62.0000	0.62	6.12	4	Sand or Gravel	Thin Peat	2	1	8	Low
450	P2_A232	219281.6471	581794.9487	36.0000	0.36	2.23	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
451	P2_A234	219274.8131	581787.6453	17.0000	0.17	1.24	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
452	P2_T293	219330.0000	581728.0000	34.0000	0.34	3.62	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
453	P2_T294	219330.0000	581738.0000	39.0000	0.39	3.77	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
454	P2_T295	219330.0000	581748.0000	46.0000	0.46	7.43	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
455	P2_T296	219330.0000	581758.0000	30.0000	0.30	5.92	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
456	P2_T297	219330.0000	581768.0000	29.0000	0.29	3.42	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
457	P2_T298	219330.0000	581778.0000	32.0000	0.32	3.75	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
458	A590	217511.9922	581746.0266	10.0000	0.10	7.63	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
459	A591	217611.9922	581746.0266	385.0000	3.85	2.03	2	Sand or Gravel	Thick Peat	3	1	6	Low
460	A592	217711.9922	581746.0266	390.0000	3.90	2.49	2	Sand or Gravel	Thick Peat	3	1	6	Low
461	A593	217811.9922	581746.0266	330.0000	3.30	3.11	2	Sand or Gravel	Thick Peat	3	1	6	Low
462	A594	217911.9922	581746.0266	49.0000	0.49	4.61	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
463	A595	218011.9922	581746.0266	25.0000	0.25	7.68	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
464	A596	218111.9922	581746.0266	92.0000	0.92	8.71	6	Sand or Gravel	Thin Peat	2	1	12	Low
465	A597	218211.9922	581746.0266	253.0000	2.53	3.40	2	Sand or Gravel	Thick Peat	3	1	6	Low
466	A598	218311.9922	581746.0266	53.0000	0.53	5.14	4	Sand or Gravel	Thin Peat	2	1	8	Low
467	A599	218411.9922	581746.0266	65.0000	0.65	3.58	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
468	A600	218511.9922	581746.0266	89.0000	0.89	2.00	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
469	A601	218611.9922	581746.0266	595.0000	5.95	2.31	2	Sand or Gravel	Thick Peat	3	1	6	Low
470	A602	218711.9922	581746.0266	61.0000	0.61	12.62	8	Sand or Gravel	Thin Peat	2	1	16	Medium
471	A603	218811.9922	581746.0266	15.0000	0.15	11.88	6	Sand or Gravel	Peaty soil	1	1	6	Low
472	A604	218911.9922	581746.0266	31.0000	0.31	4.47	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
473	A605	219011.9922	581746.0266	37.0000	0.37	7.13	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
474	A606	219111.9922	581746.0266	83.0000	0.83	3.00	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
475	A607	219211.9922	581746.0266	58.0000	0.58	1.53	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
476	A608	219311.9922	581746.0266	10.0000	0.10	3.57	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
477	A609	219411.9922	581746.0266	37.0000	0.37	2.66	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
478	A610	219511.9922	581746.0266	55.0000	0.55	2.73	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
479	A611	219611.9922	581746.0266	29.0000	0.29	3.64	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
480	A612	219711.9922	581746.0266	206.0000	2.06	2.71	2	Sand or Gravel	Thick Peat	3	1	6	Low
481	A613	219811.9922	581746.0266	20.0000	0.20	2.62	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
482	A614	219911.9922	581746.0266	0.0000	0.00	3.42	2	Sand or Gravel	No Peat	0	1	0	Negligible
483	P2_A213	218002.9707	581658.4531	68.0000	0.68	3.05	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
484	P2_A214	217996.8103	581650.5759	74.0000	0.74	3.03	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
485	P2_A215	218009.3247	581666.1769	71.0000	0.71	9.06	6	Sand or Gravel	Thin Peat	2	1	12	Low
486	P2_A216	219348.9745	581663.3551	15.0000	0.15	2.47	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
487	P2_A217	219358.9735	581663.1339	26.0000	0.26	2.43	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
488	P2_A218	217963.8073	581689.5371	54.0000	0.54	4.55	4	Sand or Gravel	Thin Peat	2	1	8	Low
489	P2_A219	217957.6467	581681.6599	80.0000	0.80	4.44	4	Sand or Gravel	Thin Peat	2	1	8	Low
490	P2_A220	217970.2841	581697.1635	50.0000	0.50	7.85	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
491	P2_T291	219330.0000	581708.0000	47.0000	0.47	3.32	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
492	P2_T299	219340.0000	581708.0000	16.0000	0.16	3.23	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
493	P2_T300	219350.0000	581708.0000	45.0000	0.45	3.13	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
494	P2_T301	219360.0000	581708.0000	78.0000	0.78	3.18	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
495	P2_T302	219370.0000	581708.0000	50.0000	0.50	3.46	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
496	P2_T303	219380.0000	581708.0000	36.0000	0.36	3.86	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
497	P2_T304	219390.0000	581708.0000	61.0000	0.61	3.51	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
498	P2_T305	219400.0000	581708.0000	24.0000	0.24	2.98	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
499	P2_T306	219330.0000	581698.0000	63.0000	0.63	2.45	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
500	P2_T307	219330.0000	581688.0000	30.0000	0.30	2.20	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
501	P2_T308	219330.0000	581678.0000	34.0000	0.34	2.18	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
502	P2_T309	219330.0000	581668.0000	29.0000	0.29	2.39	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
503	P2_T310	219330.0000	581658.0000	34.0000	0.34	3.08	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
504	P2_T311	219330.0000	581648.0000	56.0000	0.56	3.06	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
505	P2_T313	219320.0000	581708.0000	102.0000	1.02	3.03	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
506	P2_T314	219310.0000	581708.0000	29.0000	0.29	3.05	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
507	P2_T315	219300.0000	581708.0000	20.0000	0.20	2.21	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
508	P2_T316	219290.0000	581708.0000	50.0000	0.50	1.81	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
509	P2_T317	219280.0000	581708.0000	41.0000	0.41	1.44	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
510	P2_T318	219270.0000	581708.0000	41.0000	0.41	1.02	1	Sand or Gravel	Peaty soil	1	1	1	Negligible

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
511	P2_T319	219260.0000	581708.0000	46.0000	0.46	1.56	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
512	A569	217611.9922	581646.0266	50.0000	0.50	1.81	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
513	A570	217711.9922	581646.0266	226.0000	2.26	2.74	2	Sand or Gravel	Thick Peat	3	1	6	Low
514	A571	217811.9922	581646.0266	178.0000	1.78	1.69	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
515	A572	217911.9922	581646.0266	127.0000	1.27	0.33	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
516	A573	218011.9922	581646.0266	58.0000	0.58	2.29	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
517	A574	218111.9922	581646.0266	21.0000	0.21	5.73	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
518	A575	218211.9922	581646.0266	185.0000	1.85	13.40	8	Sand or Gravel	Thick Peat	3	1	24	Medium
519	A576	218311.9922	581646.0266	45.0000	0.45	8.01	6	Sand or Gravel	Peaty soil	1	1	6	Low
520	A577	218411.9922	581646.0266	58.0000	0.58	10.18	6	Sand or Gravel	Thin Peat	2	1	12	Low
521	A578	218511.9922	581646.0266	233.0000	2.33	1.40	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
522	A579	218611.9922	581646.0266	361.0000	3.61	1.32	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
523	A580	218711.9922	581646.0266	71.0000	0.71	6.53	4	Sand or Gravel	Thin Peat	2	1	8	Low
524	A581	218811.9922	581646.0266	41.0000	0.41	13.09	8	Sand or Gravel	Peaty soil	1	1	8	Low
525	A582	218911.9922	581646.0266	33.0000	0.33	6.01	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
526	A583	219011.9922	581646.0266	72.0000	0.72	6.42	4	Sand or Gravel	Thin Peat	2	1	8	Low
527	A584	219111.9922	581646.0266	209.0000	2.09	1.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
528	A585	219211.9922	581646.0266	89.0000	0.89	0.29	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
529	A586	219311.9922	581646.0266	29.0000	0.29	3.18	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
530	A587	219411.9922	581646.0266	23.0000	0.23	4.37	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
531	A588	219511.9922	581646.0266	18.0000	0.18	1.94	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
532	A589	219611.9922	581646.0266	52.0000	0.52	2.54	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
533	P2_A202	219330.0089	581568.0475	0.0000	0.00	2.64	2	Sand or Gravel	No Peat	0	1	0	Negligible
534	P2_A203	219320.0113	581567.8263	0.0000	0.00	1.67	1	Sand or Gravel	No Peat	0	1	0	Negligible
535	P2_A204	219339.9833	581568.7633	42.0000	0.42	3.49	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
536	P2_A205	218055.9881	581578.1655	90.0000	0.90	4.63	4	Sand or Gravel	Thin Peat	2	1	8	Low
537	P2_A206	218045.9901	581577.9443	84.0000	0.84	5.18	4	Sand or Gravel	Thin Peat	2	1	8	Low
538	P2_A207	219335.2479	581616.4811	0.0000	0.00	3.14	2	Sand or Gravel	No Peat	0	1	0	Negligible
539	P2_A208	219326.5131	581621.3537	36.0000	0.36	3.31	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
540	P2_A209	219344.1885	581612.0001	34.0000	0.34	3.08	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
541	P2_A210	218039.4093	581624.7675	60.0000	0.60	3.19	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
542	P2_A211	218048.5391	581628.8485	34.0000	0.34	6.98	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
543	P2_A212	218030.1061	581621.0935	56.0000	0.56	3.14	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
544	P2_H02	217979.2292	581599.8505	80.0000	0.80	6.55	4	Sand or Gravel	Thin Peat	2	1	8	Low
545	P2_T266	218078.0000	581562.0000	39.0000	0.39	5.56	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
546	P2_T267	218078.0000	581572.0000	46.0000	0.46	7.37	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
547	P2_T268	218078.0000	581582.0000	42.0000	0.42	7.60	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
548	P2_T269	218078.0000	581592.0000	40.0000	0.40	6.16	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
549	P2_T312	219330.0000	581638.0000	43.0000	0.43	3.04	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
550	P2_T262	218078.0000	581522.0000	92.0000	0.92	3.21	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
551	P2_T263	218078.0000	581532.0000	61.0000	0.61	2.85	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
552	P2_T264	218078.0000	581542.0000	52.0000	0.52	2.95	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
553	P2_T265	218078.0000	581552.0000	59.0000	0.59	3.42	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
554	P2_T270	218088.0000	581522.0000	90.0000	0.90	3.84	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
555	P2_T271	218098.0000	581522.0000	61.0000	0.61	3.84	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
556	P2_T272	218108.0000	581522.0000	65.0000	0.65	4.34	4	Sand or Gravel	Thin Peat	2	1	8	Low
557	P2_T273	218118.0000	581522.0000	68.0000	0.68	5.06	4	Sand or Gravel	Thin Peat	2	1	8	Low
558	P2_T274	218128.0000	581522.0000	55.0000	0.55	5.68	4	Sand or Gravel	Thin Peat	2	1	8	Low
559	P2_T275	218138.0000	581522.0000	56.0000	0.56	7.25	4	Sand or Gravel	Thin Peat	2	1	8	Low
560	P2_T276	218148.0000	581522.0000	68.0000	0.68	10.68	6	Sand or Gravel	Thin Peat	2	1	12	Low
561	P2_T277	218078.0000	581512.0000	88.0000	0.88	3.72	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
562	P2_T278	218078.0000	581502.0000	101.0000	1.01	3.84	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
563	P2_T279	218078.0000	581492.0000	100.0000	1.00	3.84	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
564	P2_T280	218078.0000	581482.0000	93.0000	0.93	3.68	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
565	P2_T284	218068.0000	581522.0000	102.0000	1.02	2.80	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
566	P2_T285	218058.0000	581522.0000	126.0000	1.26	2.54	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
567	P2_T286	218048.0000	581522.0000	126.0000	1.26	2.34	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
568	P2_T287	218038.0000	581522.0000	129.0000	1.29	2.41	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
569	P2_T288	218028.0000	581522.0000	98.0000	0.98	2.92	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
570	P2_T289	218018.0000	581522.0000	87.0000	0.87	3.50	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
571	P2_T290	218008.0000	581522.0000	98.0000	0.98	3.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
572	A552	217811.9922	581546.0266	72.0000	0.72	4.82	4	Sand or Gravel	Thin Peat	2	1	8	Low
573	A553	217911.9922	581546.0266	150.0000	1.50	9.27	6	Sand or Gravel	Thin Peat	2	1	12	Low
574	A554	218011.9922	581546.0266	111.0000	1.11	5.15	4	Sand or Gravel	Thin Peat	2	1	8	Low
575	A555	218111.9922	581546.0266	51.0000	0.51	6.39	4	Sand or Gravel	Thin Peat	2	1	8	Low
576	A556	218211.9922	581546.0266	47.0000	0.47	8.01	6	Sand or Gravel	Peaty soil	1	1	6	Low
577	A557	218311.9922	581546.0266	55.0000	0.55	3.82	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
578	A558	218411.9922	581546.0266	52.0000	0.52	1.88	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
579	A559	218511.9922	581546.0266	39.0000	0.39	10.77	6	Sand or Gravel	Peaty soil	1	1	6	Low
580	A560	218611.9922	581546.0266	129.0000	1.29	1.09	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
581	A561	218711.9922	581546.0266	89.0000	0.89	5.72	4	Sand or Gravel	Thin Peat	2	1	8	Low
582	A562	218811.9922	581546.0266	35.0000	0.35	11.74	6	Sand or Gravel	Peaty soil	1	1	6	Low
583	A563	218911.9922	581546.0266	52.0000	0.52	6.32	4	Sand or Gravel	Thin Peat	2	1	8	Low

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
584	A564	219011.9922	581546.0266	92.0000	0.92	0.51	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
585	A565	219111.9922	581546.0266	216.0000	2.16	1.30	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
586	A566	219211.9922	581546.0266	436.0000	4.36	3.95	2	Sand or Gravel	Thick Peat	3	1	6	Low
587	A567	219311.9922	581546.0266	22.0000	0.22	6.46	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
588	A568	219411.9922	581546.0266	67.0000	0.67	4.94	4	Sand or Gravel	Thin Peat	2	1	8	Low
589	P2_T281	218078.0000	581472.0000	65.0000	0.65	3.20	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
590	P2_T282	218078.0000	581462.0000	92.0000	0.92	3.30	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
591	P2_T283	218078.0000	581452.0000	76.0000	0.76	3.30	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
592	A533	217811.9922	581446.0266	102.0000	1.02	4.82	4	Sand or Gravel	Thin Peat	2	1	8	Low
593	A534	217911.9922	581446.0266	64.0000	0.64	6.88	4	Sand or Gravel	Thin Peat	2	1	8	Low
594	A535	218011.9922	581446.0266	101.0000	1.01	3.54	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
595	A536	218111.9922	581446.0266	59.0000	0.59	3.58	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
596	A537	218211.9922	581446.0266	88.0000	0.88	8.17	6	Sand or Gravel	Thin Peat	2	1	12	Low
597	A538	218311.9922	581446.0266	46.0000	0.46	10.38	6	Sand or Gravel	Peaty soil	1	1	6	Low
598	A539	218411.9922	581446.0266	72.0000	0.72	8.59	6	Sand or Gravel	Thin Peat	2	1	12	Low
599	A540	218511.9922	581446.0266	28.0000	0.28	10.51	6	Sand or Gravel	Peaty soil	1	1	6	Low
600	A541	218611.9922	581446.0266	37.0000	0.37	1.79	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
601	A542	218711.9922	581446.0266	79.0000	0.79	3.30	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
602	A543	218811.9922	581446.0266	51.0000	0.51	9.29	6	Sand or Gravel	Thin Peat	2	1	12	Low
603	A544	218911.9922	581446.0266	49.0000	0.49	8.29	6	Sand or Gravel	Peaty soil	1	1	6	Low
604	A545	219011.9922	581446.0266	137.0000	1.37	1.38	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
605	A546	219111.9922	581446.0266	0.0000	0.00	6.12	4	Sand or Gravel	No Peat	0	1	0	Negligible
606	A547	219211.9922	581446.0266	300.0000	3.00	1.76	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
607	A548	219311.9922	581446.0266	192.0000	1.92	3.04	2	Sand or Gravel	Thick Peat	3	1	6	Low
608	A549	220511.9922	581446.0266	26.0000	0.26	2.79	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
609	A550	220611.9922	581446.0266	152.0000	1.52	2.96	2	Sand or Gravel	Thick Peat	3	1	6	Low
610	A551	220711.9922	581446.0266	74.0000	0.74	3.76	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
611	A511	217811.9922	581346.0266	61.0000	0.61	2.83	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
612	A512	217911.9922	581346.0266	205.0000	2.05	4.41	4	Sand or Gravel	Thick Peat	3	1	12	Low
613	A513	218011.9922	581346.0266	79.0000	0.79	2.65	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
614	A514	218111.9922	581346.0266	72.0000	0.72	2.35	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
615	A515	218211.9922	581346.0266	61.0000	0.61	10.27	6	Sand or Gravel	Thin Peat	2	1	12	Low
616	A516	218311.9922	581346.0266	32.0000	0.32	14.07	8	Sand or Gravel	Peaty soil	1	1	8	Low
617	A517	218411.9922	581346.0266	44.0000	0.44	3.72	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
618	A518	218511.9922	581346.0266	59.0000	0.59	7.42	4	Sand or Gravel	Thin Peat	2	1	8	Low
619	A519	218611.9922	581346.0266	64.0000	0.64	8.90	6	Sand or Gravel	Thin Peat	2	1	12	Low
620	A520	218711.9922	581346.0266	35.0000	0.35	10.00	6	Sand or Gravel	Peaty soil	1	1	6	Low
621	A521	218811.9922	581346.0266	15.0000	0.15	7.52	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
622	A522	218911.9922	581346.0266	31.0000	0.31	8.88	6	Sand or Gravel	Peaty soil	1	1	6	Low
623	A523	219011.9922	581346.0266	59.0000	0.59	6.02	4	Sand or Gravel	Thin Peat	2	1	8	Low
624	A524	219111.9922	581346.0266	242.0000	2.42	0.82	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
625	A525	219211.9922	581346.0266	450.0000	4.50	0.73	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
626	A526	220211.9922	581346.0266	211.0000	2.11	1.72	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
627	A527	220311.9922	581346.0266	176.0000	1.76	2.32	2	Sand or Gravel	Thick Peat	3	1	6	Low
628	A528	220411.9922	581346.0266	206.0000	2.06	1.83	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
629	A529	220511.9922	581346.0266	79.0000	0.79	3.12	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
630	A530	220611.9922	581346.0266	57.0000	0.57	3.11	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
631	A531a	220712.0000	581376.0000	123.0000	1.23	1.84	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
632	A532	220811.9922	581346.0266	183.0000	1.83	1.26	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
633	A488	218011.9922	581246.0266	61.0000	0.61	8.43	6	Sand or Gravel	Thin Peat	2	1	12	Low
634	A489	218111.9922	581246.0266	53.0000	0.53	3.54	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
635	A490	218211.9922	581246.0266	42.0000	0.42	11.67	6	Sand or Gravel	Peaty soil	1	1	6	Low
636	A491	218311.9922	581246.0266	45.0000	0.45	7.76	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
637	A492	218411.9922	581246.0266	77.0000	0.77	4.41	4	Sand or Gravel	Thin Peat	2	1	8	Low
638	A493	218511.9922	581246.0266	45.0000	0.45	7.46	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
639	A494	218611.9922	581246.0266	63.0000	0.63	4.72	4	Sand or Gravel	Thin Peat	2	1	8	Low
640	A495	218711.9922	581246.0266	55.0000	0.55	8.70	6	Sand or Gravel	Thin Peat	2	1	12	Low
641	A496	218811.9922	581246.0266	43.0000	0.43	5.57	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
642	A497	218911.9922	581246.0266	197.0000	1.97	4.04	4	Sand or Gravel	Thick Peat	3	1	12	Low
643	A498	219011.9922	581246.0266	255.0000	2.55	0.47	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
644	A499	219111.9922	581246.0266	253.0000	2.53	0.96	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
645	A500	219911.9922	581246.0266	351.0000	3.51	1.66	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
646	A501	220011.9922	581246.0266	101.0000	1.01	3.94	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
647	A502	220111.9922	581246.0266	118.0000	1.18	1.95	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
648	A503	220211.9922	581246.0266	157.0000	1.57	3.29	2	Sand or Gravel	Thick Peat	3	1	6	Low
649	A504	220311.9922	581246.0266	73.0000	0.73	2.97	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
650	A505	220411.9922	581246.0266	48.0000	0.48	2.85	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
651	A506	220511.9922	581246.0266	39.0000	0.39	2.48	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
652	A507	220611.9922	581246.0266	152.0000	1.52	2.12	2	Sand or Gravel	Thick Peat	3	1	6	Low
653	A508	220711.9922	581246.0266	67.0000	0.67	1.64	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
654	A509	220811.9922	581246.0266	261.0000	2.61	1.47	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
655	A510	220911.9922	581246.0266	42.0000	0.42	5.12	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
656	P2_T209	219774.0000	581167.0000	151.0000	1.51	4.23	4	Sand or Gravel	Thick Peat	3	1	12	Low

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
657	P2_T210	219774.0000	581177.0000	179.0000	1.79	3.39	2	Sand or Gravel	Thick Peat	3	1	6	Low
658	P2_T211	219774.0000	581187.0000	268.0000	2.68	2.78	2	Sand or Gravel	Thick Peat	3	1	6	Low
659	P2_T234	218668.0000	581163.0000	66.0000	0.66	3.44	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
660	P2_T235	218668.0000	581173.0000	96.0000	0.96	3.39	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
661	P2_T236	218668.0000	581183.0000	80.0000	0.80	3.48	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
662	P2_T237	218668.0000	581193.0000	74.0000	0.74	2.36	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
663	P2_T238	218668.0000	581203.0000	65.0000	0.65	2.40	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
664	P2_T239	218668.0000	581213.0000	98.0000	0.98	2.27	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
665	P2_T240	218668.0000	581223.0000	62.0000	0.62	2.46	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
666	P2_A195	219748.3519	581111.3147	153.0000	1.53	4.40	4	Sand or Gravel	Thick Peat	3	1	12	Low
667	P2_A196	219738.9485	581107.9123	84.0000	0.84	6.32	4	Sand or Gravel	Thin Peat	2	1	8	Low
668	P2_A197	218734.6589	581126.6913	45.0000	0.45	2.00	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
669	P2_A198	218736.2413	581136.5653	63.0000	0.63	1.36	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
670	P2_A199	218685.2675	581127.2571	53.0000	0.53	3.35	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
671	P2_A200	218685.2675	581137.2573	45.0000	0.45	3.42	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
672	P2_A201	218685.5527	581117.2613	57.0000	0.57	4.80	4	Sand or Gravel	Thin Peat	2	1	8	Low
673	P2_T204	219774.0000	581117.0000	51.0000	0.51	4.28	4	Sand or Gravel	Thin Peat	2	1	8	Low
674	P2_T205	219774.0000	581127.0000	163.0000	1.63	4.31	4	Sand or Gravel	Thick Peat	3	1	12	Low
675	P2_T206	219774.0000	581137.0000	84.0000	0.84	4.32	4	Sand or Gravel	Thin Peat	2	1	8	Low
676	P2_T207	219774.0000	581147.0000	47.0000	0.47	4.31	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
677	P2_T208	219774.0000	581157.0000	91.0000	0.91	4.32	4	Sand or Gravel	Thin Peat	2	1	8	Low
678	P2_T212	219784.0000	581117.0000	192.0000	1.92	4.32	4	Sand or Gravel	Thick Peat	3	1	12	Low
679	P2_T213	219794.0000	581117.0000	272.0000	2.72	4.31	4	Sand or Gravel	Thick Peat	3	1	12	Low
680	P2_T214	219804.0000	581117.0000	395.0000	3.95	4.19	4	Sand or Gravel	Thick Peat	3	1	12	Low
681	P2_T215	219814.0000	581117.0000	464.0000	4.64	2.32	2	Sand or Gravel	Thick Peat	3	1	6	Low
682	P2_T216	219824.0000	581117.0000	439.0000	4.39	2.21	2	Sand or Gravel	Thick Peat	3	1	6	Low
683	P2_T217	219834.0000	581117.0000	411.0000	4.11	2.18	2	Sand or Gravel	Thick Peat	3	1	6	Low
684	P2_T218	219844.0000	581117.0000	405.0000	4.05	2.21	2	Sand or Gravel	Thick Peat	3	1	6	Low
685	P2_T219	219774.0000	581107.0000	55.0000	0.55	4.13	4	Sand or Gravel	Thin Peat	2	1	8	Low
686	P2_T220	219774.0000	581097.0000	92.0000	0.92	4.12	4	Sand or Gravel	Thin Peat	2	1	8	Low
687	P2_T221	219774.0000	581087.0000	58.0000	0.58	3.93	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
688	P2_T226	219764.0000	581117.0000	86.0000	0.86	4.15	4	Sand or Gravel	Thin Peat	2	1	8	Low
689	P2_T227	219754.0000	581117.0000	122.0000	1.22	4.12	4	Sand or Gravel	Thin Peat	2	1	8	Low
690	P2_T228	219744.0000	581117.0000	96.0000	0.96	5.94	4	Sand or Gravel	Thin Peat	2	1	8	Low
691	P2_T229	219734.0000	581117.0000	72.0000	0.72	5.10	4	Sand or Gravel	Thin Peat	2	1	8	Low
692	P2_T230	219718.9870	581117.9780	28.0000	0.28	3.47	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
693	P2_T231	219714.0000	581117.0000	82.0000	0.82	3.14	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
694	P2_T232	219704.0000	581117.0000	65.0000	0.65	3.31	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
695	P2_T233	218668.0000	581153.0000	50.0000	0.50	3.48	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
696	P2_T241	218678.0000	581153.0000	64.0000	0.64	3.42	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
697	P2_T242	218688.0000	581153.0000	67.0000	0.67	3.46	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
698	P2_T243	218698.0000	581153.0000	58.0000	0.58	2.73	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
699	P2_T244	218708.0000	581153.0000	49.0000	0.49	0.09	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
700	P2_T245	218718.0000	581153.0000	55.0000	0.55	0.10	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
701	P2_T246	218728.0000	581153.0000	60.0000	0.60	0.09	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
702	P2_T247	218738.0000	581153.0000	62.0000	0.62	0.22	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
703	P2_T248	218668.0000	581143.0000	52.0000	0.52	3.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
704	P2_T249	218668.0000	581133.0000	74.0000	0.74	3.59	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
705	P2_T250	218668.0000	581123.0000	70.0000	0.70	3.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
706	P2_T251	218668.0000	581113.0000	87.0000	0.87	3.49	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
707	P2_T252	218668.0000	581103.0000	52.0000	0.52	3.25	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
708	P2_T253	218668.0000	581093.0000	46.0000	0.46	4.71	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
709	P2_T254	218668.0000	581083.0000	74.0000	0.74	4.33	4	Sand or Gravel	Thin Peat	2	1	8	Low
710	P2_T255	218658.0000	581153.0000	66.0000	0.66	3.47	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
711	P2_T256	218648.0000	581153.0000	48.0000	0.48	3.47	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
712	P2_T257	218638.0000	581153.0000	66.0000	0.66	3.48	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
713	P2_T258	218628.0000	581153.0000	40.0000	0.40	3.48	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
714	P2_T259	218618.0000	581153.0000	41.0000	0.41	3.47	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
715	P2_T260	218608.0000	581153.0000	46.0000	0.46	3.50	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
716	P2_T261	218598.0000	581153.0000	43.0000	0.43	3.43	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
717	A465	218111.9922	581146.0266	85.0000	0.85	0.61	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
718	A466	218211.9922	581146.0266	100.0000	1.00	3.41	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
719	A467	218311.9922	581146.0266	20.0000	0.20	8.97	6	Sand or Gravel	Peaty soil	1	1	6	Low
720	A468	218411.9922	581146.0266	55.0000	0.55	2.52	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
721	A469	218511.9922	581146.0266	74.0000	0.74	4.60	4	Sand or Gravel	Thin Peat	2	1	8	Low
722	A470	218611.9922	581146.0266	49.0000	0.49	3.57	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
723	A471	218711.9922	581146.0266	64.0000	0.64	0.59	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
724	A472	218811.9922	581146.0266	208.0000	2.08	0.89	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
725	A473	218911.9922	581146.0266	311.0000	3.11	1.85	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
726	A474	219711.9922	581146.0266	7.0000	0.07	3.52	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
727	A475	219811.9922	581146.0266	141.0000	1.41	2.21	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
728	A476	219911.9922	581146.0266	550.0000	5.50	3.95	2	Sand or Gravel	Thick Peat	3	1	6	Low
729	A477	220011.9922	581146.0266	325.0000	3.25	0.72	1	Sand or Gravel	Thick Peat	3	1	3	Negligible

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
730	A478	220111.9922	581146.0266	77.0000	0.77	5.00	4	Sand or Gravel	Thin Peat	2	1	8	Low
731	A479	220211.9922	581146.0266	48.0000	0.48	1.93	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
732	A480	220311.9922	581146.0266	37.0000	0.37	7.79	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
733	A481	220411.9922	581146.0266	213.0000	2.13	1.99	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
734	A482	220511.9922	581146.0266	231.0000	2.31	2.87	2	Sand or Gravel	Thick Peat	3	1	6	Low
735	A483	220611.9922	581146.0266	98.0000	0.98	3.49	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
736	A484	220711.9922	581146.0266	81.0000	0.81	3.12	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
737	A485	220811.9922	581146.0266	232.0000	2.32	3.16	2	Sand or Gravel	Thick Peat	3	1	6	Low
738	A486	220911.9922	581146.0266	54.0000	0.54	2.87	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
739	A487	221011.9922	581146.0266	173.0000	1.73	1.72	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
740	P2_A191	219761.7683	581029.5013	89.0000	0.89	3.74	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
741	P2_A192	219770.4419	581024.5239	210.0000	2.10	3.67	2	Sand or Gravel	Thick Peat	3	1	6	Low
742	P2_A193	219763.5031	581066.5759	84.0000	0.84	3.99	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
743	P2_A194	219754.0997	581063.1733	102.0000	1.02	4.03	4	Sand or Gravel	Thin Peat	2	1	8	Low
744	P2_T222	219774.0000	581077.0000	50.0000	0.50	4.04	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
745	P2_T223	219774.0000	581067.0000	48.0000	0.48	4.03	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
746	P2_T224	219774.0000	581057.0000	130.0000	1.30	3.99	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
747	P2_T225	219774.0000	581047.0000	160.0000	1.60	3.88	2	Sand or Gravel	Thick Peat	3	1	6	Low
748	A442	218111.9922	581046.0266	69.0000	0.69	2.53	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
749	A443	218211.9922	581046.0266	75.0000	0.75	6.66	4	Sand or Gravel	Thin Peat	2	1	8	Low
750	A444	218311.9922	581046.0266	29.0000	0.29	9.84	6	Sand or Gravel	Peaty soil	1	1	6	Low
751	A445	218411.9922	581046.0266	73.0000	0.73	4.82	4	Sand or Gravel	Thin Peat	2	1	8	Low
752	A446	218511.9922	581046.0266	53.0000	0.53	2.42	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
753	A447	218611.9922	581046.0266	194.0000	1.94	2.52	2	Sand or Gravel	Thick Peat	3	1	6	Low
754	A448	218711.9922	581046.0266	74.0000	0.74	3.43	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
755	A449	219611.9922	581046.0266	411.0000	4.11	2.06	2	Sand or Gravel	Thick Peat	3	1	6	Low
756	A450	219711.9922	581046.0266	36.0000	0.36	6.46	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
757	A451	219811.9922	581046.0266	306.0000	3.06	3.68	2	Sand or Gravel	Thick Peat	3	1	6	Low
758	A452	219911.9922	581046.0266	364.0000	3.64	1.88	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
759	A453	220011.9922	581046.0266	314.0000	3.14	1.59	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
760	A454	220111.9922	581046.0266	188.0000	1.88	2.61	2	Sand or Gravel	Thick Peat	3	1	6	Low
761	A455	220211.9922	581046.0266	41.0000	0.41	2.25	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
762	A456	220311.9922	581046.0266	46.0000	0.46	5.66	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
763	A457	220411.9922	581046.0266	24.0000	0.24	7.01	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
764	A458a	220506.0000	581048.0000	106.0000	1.06	3.09	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
765	A459	220611.9922	581046.0266	147.0000	1.47	3.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
766	A460	220711.9922	581046.0266	72.0000	0.72	3.05	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
767	A461	220811.9922	581046.0266	23.0000	0.23	3.56	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
768	A462	220911.9922	581046.0266	285.0000	2.85	3.39	2	Sand or Gravel	Thick Peat	3	1	6	Low
769	A463	221011.9922	581046.0266	297.0000	2.97	3.14	2	Sand or Gravel	Thick Peat	3	1	6	Low
770	A464	221111.9922	581046.0266	255.0000	2.55	2.33	2	Sand or Gravel	Thick Peat	3	1	6	Low
771	P2_B129	218688.5203	580921.0651	13.0000	0.13	6.40	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
772	P2_B139	218695.2915	580928.4238	42.0000	0.42	5.05	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
773	P2_B142	218652.9017	580926.6613	22.0000	0.22	5.40	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
774	P2_B143	218645.5430	580933.4325	37.0000	0.37	5.23	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
775	P2_B144	218638.1843	580940.2037	57.0000	0.57	5.35	4	Sand or Gravel	Thin Peat	2	1	8	Low
776	P2_B145	218630.8256	580946.9749	59.0000	0.59	5.42	4	Sand or Gravel	Thin Peat	2	1	8	Low
777	P2_B146	218623.4669	580953.7461	34.0000	0.34	5.42	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
778	P2_B147	218616.1081	580960.5173	37.0000	0.37	2.30	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
779	P2_B148	218608.7494	580967.2886	36.0000	0.36	2.35	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
780	P2_B149	218702.0627	580935.7825	90.0000	0.90	2.13	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
781	P2_B150	218708.8339	580943.1412	42.0000	0.42	2.54	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
782	P2_B151	218715.6051	580950.4999	42.0000	0.42	2.49	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
783	P2_B152	218722.3763	580957.8586	74.0000	0.74	2.49	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
784	P2_B153	218729.1476	580965.2173	274.0000	2.74	2.54	2	Sand or Gravel	Thick Peat	3	1	6	Low
785	P2_B154	218735.9188	580972.5760	375.0000	3.75	2.54	2	Sand or Gravel	Thick Peat	3	1	6	Low
786	A420	218211.9922	580946.0266	19.0000	0.19	4.44	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
787	A421	218311.9922	580946.0266	25.0000	0.25	2.11	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
788	A422	218411.9922	580946.0266	29.0000	0.29	2.35	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
789	A423	218511.9922	580946.0266	33.0000	0.33	3.68	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
790	A424	218611.9922	580946.0266	55.0000	0.55	5.30	4	Sand or Gravel	Thin Peat	2	1	8	Low
791	A425	219511.9922	580946.0266	419.0000	4.19	2.37	2	Sand or Gravel	Thick Peat	3	1	6	Low
792	A426	219611.9922	580946.0266	501.0000	5.01	2.15	2	Sand or Gravel	Thick Peat	3	1	6	Low
793	A427	219711.9922	580946.0266	362.0000	3.62	2.63	2	Sand or Gravel	Thick Peat	3	1	6	Low
794	A428	219811.9922	580946.0266	21.0000	0.21	5.03	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
795	A429	219911.9922	580946.0266	104.0000	1.04	7.42	4	Sand or Gravel	Thin Peat	2	1	8	Low
796	A430	220011.9922	580946.0266	703.0000	7.03	4.74	4	Sand or Gravel	Thick Peat	3	1	12	Low
797	A431	220111.9922	580946.0266	327.0000	3.27	0.28	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
798	A432	220211.9922	580946.0266	72.0000	0.72	1.88	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
799	A433	220311.9922	580946.0266	36.0000	0.36	0.98	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
800	A434	220411.9922	580946.0266	92.0000	0.92	5.90	4	Sand or Gravel	Thin Peat	2	1	8	Low
801	A437	220711.9922	580946.0266	237.0000	2.37	3.37	2	Sand or Gravel	Thick Peat	3	1	6	Low
802	A438	220811.9922	580946.0266	104.0000	1.04	3.54	2	Sand or Gravel	Thin Peat	2	1	4	Negligible

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
803	A439	220911.9922	580946.0266	44.0000	0.44	3.46	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
804	A440	221011.9922	580946.0266	152.0000	1.52	2.29	2	Sand or Gravel	Thick Peat	3	1	6	Low
805	A441	221111.9922	580946.0266	273.0000	2.73	2.42	2	Sand or Gravel	Thick Peat	3	1	6	Low
806	P2_B078	220734.7964	580846.2407	35.0000	0.35	4.12	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
807	P2_B079	220744.7964	580846.2407	55.0000	0.55	6.64	4	Sand or Gravel	Thin Peat	2	1	8	Low
808	P2_B080	220754.7964	580846.2407	32.0000	0.32	7.27	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
809	P2_B081	220764.7964	580846.2407	40.0000	0.40	6.11	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
810	P2_B082	220774.7964	580846.2407	17.0000	0.17	5.46	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
811	P2_B083	220784.7964	580846.2407	37.0000	0.37	5.94	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
812	P2_B084	220794.7964	580846.2407	47.0000	0.47	8.66	6	Sand or Gravel	Peaty soil	1	1	6	Low
813	P2_B089	220724.2673	580845.9698	11.0000	0.11	2.73	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
814	P2_B090	220724.2673	580855.9698	165.0000	1.65	2.70	2	Sand or Gravel	Thick Peat	3	1	6	Low
815	P2_B091	220724.2673	580865.9698	209.0000	2.09	2.70	2	Sand or Gravel	Thick Peat	3	1	6	Low
816	P2_B092	220724.2673	580875.9698	195.0000	1.95	2.64	2	Sand or Gravel	Thick Peat	3	1	6	Low
817	P2_B093	219904.0573	580841.2136	101.0000	1.01	0.92	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
818	P2_B094	219904.0573	580851.2136	61.0000	0.61	0.99	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
819	P2_B095	219914.0573	580841.2136	59.0000	0.59	1.41	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
820	P2_B096	219924.0573	580841.2136	61.0000	0.61	5.06	4	Sand or Gravel	Thin Peat	2	1	8	Low
821	P2_B097	219934.0573	580841.2136	42.0000	0.42	5.87	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
822	P2_B098	219944.0573	580841.2136	56.0000	0.56	6.93	4	Sand or Gravel	Thin Peat	2	1	8	Low
823	P2_B099	219954.0573	580841.2136	47.0000	0.47	4.48	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
824	P2_B100	219964.0573	580841.2136	50.0000	0.50	3.45	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
825	P2_B101	219904.0573	580861.2136	55.0000	0.55	1.22	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
826	P2_B106	219904.0573	580871.2136	62.0000	0.62	1.40	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
827	P2_B107	219894.0573	580841.2136	21.0000	0.21	1.64	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
828	P2_B108	219884.0573	580841.2136	63.0000	0.63	3.01	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
829	P2_B109	219874.0573	580841.2136	34.0000	0.34	9.22	6	Sand or Gravel	Peaty soil	1	1	6	Low
830	P2_B110	219864.0573	580841.2136	98.0000	0.98	9.35	6	Sand or Gravel	Thin Peat	2	1	12	Low
831	P2_B111	219854.0573	580841.2136	55.0000	0.55	8.39	6	Sand or Gravel	Thin Peat	2	1	12	Low
832	P2_B112	219844.0573	580841.2136	52.0000	0.52	7.60	4	Sand or Gravel	Thin Peat	2	1	8	Low
833	P2_B113	219834.0573	580841.2136	70.0000	0.70	7.17	4	Sand or Gravel	Thin Peat	2	1	8	Low
834	P2_B114	219904.0573	580881.2136	51.0000	0.51	2.65	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
835	P2_B115	219904.0573	580891.2136	67.0000	0.67	6.76	4	Sand or Gravel	Thin Peat	2	1	8	Low
836	P2_B116	219904.0573	580901.2136	46.0000	0.46	6.79	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
837	P2_B117	219904.0573	580911.2136	55.0000	0.55	7.11	4	Sand or Gravel	Thin Peat	2	1	8	Low
838	P2_B118	218674.9778	580906.3476	58.0000	0.58	5.74	4	Sand or Gravel	Thin Peat	2	1	8	Low
839	P2_B119	218681.7491	580913.7063	44.0000	0.44	5.86	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
840	P2_B120	218682.3366	580899.5764	58.0000	0.58	5.16	4	Sand or Gravel	Thin Peat	2	1	8	Low
841	P2_B121	218689.6953	580892.8052	28.0000	0.28	5.04	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
842	P2_B122	218697.0540	580886.0340	29.0000	0.29	4.67	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
843	P2_B123	218704.4127	580879.2628	37.0000	0.37	4.04	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
844	P2_B124	218711.7714	580872.4916	36.0000	0.36	4.15	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
845	P2_B125	218719.1301	580865.7203	27.0000	0.27	5.31	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
846	P2_B126	218726.4888	580858.9491	7.0000	0.07	6.36	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
847	P2_B127	218733.8475	580852.1779	28.0000	0.28	6.31	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
848	P2_B128	218741.2063	580845.4067	35.0000	0.35	4.35	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
849	P2_B130	218668.2066	580898.9889	52.0000	0.52	6.74	4	Sand or Gravel	Thin Peat	2	1	8	Low
850	P2_B131	218661.4354	580891.6302	54.0000	0.54	6.92	4	Sand or Gravel	Thin Peat	2	1	8	Low
851	P2_B132	218654.6642	580884.2715	59.0000	0.59	6.93	4	Sand or Gravel	Thin Peat	2	1	8	Low
852	P2_B133	218647.8930	580876.9128	38.0000	0.38	6.80	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
853	P2_B134	218641.1218	580869.5541	61.0000	0.61	6.63	4	Sand or Gravel	Thin Peat	2	1	8	Low
854	P2_B135	218634.3506	580862.1954	29.0000	0.29	6.06	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
855	P2_B136	218627.5793	580854.8366	84.0000	0.84	4.34	4	Sand or Gravel	Thin Peat	2	1	8	Low
856	P2_B137	218620.8081	580847.4779	15.0000	0.15	3.90	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
857	P2_B138	218614.0369	580840.1192	48.0000	0.48	3.82	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
858	P2_B140	218667.6191	580913.1188	35.0000	0.35	5.40	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
859	P2_B141	218660.2604	580919.8901	33.0000	0.33	5.38	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
860	A397	218311.9922	580846.0266	46.0000	0.46	5.01	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
861	A398	218411.9922	580846.0266	63.0000	0.63	2.89	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
862	A399	218511.9922	580846.0266	138.0000	1.38	6.90	4	Sand or Gravel	Thin Peat	2	1	8	Low
863	A400	218611.9922	580846.0266	51.0000	0.51	3.82	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
864	A401	219311.9922	580846.0266	145.0000	1.45	2.40	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
865	A402	219411.9922	580846.0266	39.0000	0.39	3.30	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
866	A403	219511.9922	580846.0266	122.0000	1.22	4.38	4	Sand or Gravel	Thin Peat	2	1	8	Low
867	A404	219611.9922	580846.0266	409.0000	4.09	2.16	2	Sand or Gravel	Thick Peat	3	1	6	Low
868	A405	219711.9922	580846.0266	159.0000	1.59	0.70	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
869	A406	219811.9922	580846.0266	56.0000	0.56	4.94	4	Sand or Gravel	Thin Peat	2	1	8	Low
870	A407	219911.9922	580846.0266	54.0000	0.54	1.21	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
871	A408	220011.9922	580846.0266	67.0000	0.67	0.71	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
872	A409	220111.9922	580846.0266	103.0000	1.03	1.67	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
873	A410	220211.9922	580846.0266	37.0000	0.37	2.06	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
874	A411	220311.9922	580846.0266	55.0000	0.55	6.40	4	Sand or Gravel	Thin Peat	2	1	8	Low
875	A412	220411.9922	580846.0266	52.0000	0.52	5.83	4	Sand or Gravel	Thin Peat	2	1	8	Low

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
876	A413	220511.9922	580846.0266	45.0000	0.45	3.43	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
877	A414a	220485.0000	580915.0000	46.0000	0.46	4.15	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
878	A415	220711.9922	580846.0266	26.0000	0.26	3.13	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
879	A416	220811.9922	580846.0266	0.0000	0.00	5.33	4	Sand or Gravel	No Peat	0	1	0	Negligible
880	A417	220911.9922	580846.0266	24.0000	0.24	4.96	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
881	A418	221011.9922	580846.0266	260.0000	2.60	1.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
882	A419	221111.9922	580846.0266	56.0000	0.56	2.70	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
883	P2_A182	219678.7701	580771.6333	74.0000	0.74	2.28	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
884	P2_A183	219673.7057	580780.2577	220.0000	2.20	0.90	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
885	P2_A184	219683.4479	580762.7937	79.0000	0.79	2.18	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
886	P2_A185	219722.4263	580796.0083	215.0000	2.15	3.89	2	Sand or Gravel	Thick Peat	3	1	6	Low
887	P2_A186	219717.3619	580804.6325	213.0000	2.13	3.80	2	Sand or Gravel	Thick Peat	3	1	6	Low
888	P2_A187	219727.1043	580787.1685	270.0000	2.70	2.45	2	Sand or Gravel	Thick Peat	3	1	6	Low
889	P2_A188	219766.1949	580820.1693	96.0000	0.96	5.56	4	Sand or Gravel	Thin Peat	2	1	8	Low
890	P2_A189	219761.9127	580829.2069	69.0000	0.69	5.28	4	Sand or Gravel	Thin Peat	2	1	8	Low
891	P2_A190	219770.8731	580811.3289	201.0000	2.01	6.02	4	Sand or Gravel	Thick Peat	3	1	12	Low
892	P2_B085	220694.2673	580795.9698	131.0000	1.31	6.34	4	Sand or Gravel	Thin Peat	2	1	8	Low
893	P2_B086	220684.2673	580795.9698	149.0000	1.49	4.58	4	Sand or Gravel	Thin Peat	2	1	8	Low
894	P2_B087	220674.2673	580795.9698	163.0000	1.63	1.99	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
895	P2_B088	220664.2673	580795.9698	222.0000	2.22	1.88	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
896	P2_B102	219904.0573	580831.2136	72.0000	0.72	0.81	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
897	P2_B103	219904.0573	580821.2136	70.0000	0.70	8.42	6	Sand or Gravel	Thin Peat	2	1	12	Low
898	P2_B104	219904.0573	580811.2136	42.0000	0.42	12.13	8	Sand or Gravel	Peaty soil	1	1	8	Low
899	P2_B105	219904.0573	580801.2136	58.0000	0.58	9.66	6	Sand or Gravel	Thin Peat	2	1	12	Low
900	P2_A173	219548.0137	580698.1775	78.0000	0.78	4.91	4	Sand or Gravel	Thin Peat	2	1	8	Low
901	P2_A174	219553.4539	580689.7869	66.0000	0.66	4.88	4	Sand or Gravel	Thin Peat	2	1	8	Low
902	P2_A175	219542.0729	580706.2217	54.0000	0.54	4.70	4	Sand or Gravel	Thin Peat	2	1	8	Low
903	P2_A176	219591.3543	580723.0689	44.0000	0.44	4.67	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
904	P2_A177	219586.2901	580731.6931	53.0000	0.53	4.67	4	Sand or Gravel	Thin Peat	2	1	8	Low
905	P2_A178	219596.0321	580714.2293	46.0000	0.46	4.64	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
906	P2_A179	219635.0623	580747.3511	140.0000	1.40	3.08	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
907	P2_A180	219629.9979	580755.9753	86.0000	0.86	3.06	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
908	P2_A181	219639.7401	580738.5115	101.0000	1.01	3.08	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
909	P2_T181	219333.0000	580681.0000	91.0000	0.91	1.89	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
910	P2_T182	219333.0000	580691.0000	138.0000	1.38	1.89	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
911	A375	218411.9922	580746.0266	37.0000	0.37	0.64	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
912	A376	219211.9922	580746.0266	59.0000	0.59	1.46	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
913	A377	219311.9922	580746.0266	273.0000	2.73	1.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
914	A378	219411.9922	580746.0266	80.0000	0.80	1.73	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
915	A379	219511.9922	580746.0266	46.0000	0.46	4.76	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
916	A380	219611.9922	580746.0266	82.0000	0.82	3.69	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
917	A381	219711.9922	580746.0266	246.0000	2.46	2.56	2	Sand or Gravel	Thick Peat	3	1	6	Low
918	A382	219811.9922	580746.0266	62.0000	0.62	7.19	4	Sand or Gravel	Thin Peat	2	1	8	Low
919	A383	219911.9922	580746.0266	120.0000	1.20	8.88	6	Sand or Gravel	Thin Peat	2	1	12	Low
920	A384	220011.9922	580746.0266	41.0000	0.41	8.20	6	Sand or Gravel	Peaty soil	1	1	6	Low
921	A385	220111.9922	580746.0266	47.0000	0.47	6.11	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
922	A386	220211.9922	580746.0266	123.0000	1.23	8.17	6	Sand or Gravel	Thin Peat	2	1	12	Low
923	A387	220311.9922	580746.0266	57.0000	0.57	6.69	4	Sand or Gravel	Thin Peat	2	1	8	Low
924	A388	220411.9922	580746.0266	54.0000	0.54	6.32	4	Sand or Gravel	Thin Peat	2	1	8	Low
925	A389	220511.9922	580746.0266	325.0000	3.25	1.60	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
926	A390	220611.9922	580746.0266	492.0000	4.92	1.59	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
927	A391a	220699.0000	580734.0000	111.0000	1.11	1.55	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
928	A392	220811.9922	580746.0266	0.0000	0.00	2.68	2	Sand or Gravel	No Peat	0	1	0	Negligible
929	A393	220911.9922	580746.0266	55.0000	0.55	3.39	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
930	A394	221011.9922	580746.0266	45.0000	0.45	2.08	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
931	A395	221111.9922	580746.0266	26.0000	0.26	2.69	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
932	A396	221211.9922	580746.0266	41.0000	0.41	2.98	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
933	P2_A157	219274.5815	580601.7865	125.0000	1.25	1.87	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
934	P2_A159	219374.6705	580603.5855	62.0000	0.62	0.60	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
935	P2_A161	218500.3751	580606.0691	95.0000	0.95	6.01	4	Sand or Gravel	Thin Peat	2	1	8	Low
936	P2_A162	218509.8299	580609.3273	55.0000	0.55	8.30	6	Sand or Gravel	Thin Peat	2	1	12	Low
937	P2_A163	218490.8895	580602.9029	42.0000	0.42	2.35	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
938	P2_A164	219422.3537	580616.2657	75.0000	0.75	0.56	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
939	P2_A165	219427.7939	580607.8751	65.0000	0.65	0.68	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
940	P2_A166	219417.5813	580625.0535	49.0000	0.49	0.69	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
941	P2_A167	219464.2403	580643.5697	39.0000	0.39	2.54	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
942	P2_A168	219469.6805	580635.1789	46.0000	0.46	2.79	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
943	P2_A169	219458.1011	580651.5049	77.0000	0.77	2.45	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
944	P2_A170	219506.1271	580670.8737	60.0000	0.60	6.42	4	Sand or Gravel	Thin Peat	2	1	8	Low
945	P2_A171	219511.5673	580662.4829	49.0000	0.49	6.54	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
946	P2_A172	219500.6947	580679.2695	46.0000	0.46	6.42	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
947	P2_B062	220711.0381	580609.8590	35.0000	0.35	6.61	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
948	P2_B070	220711.0381	580619.8590	29.0000	0.29	5.50	4	Sand or Gravel	Peaty soil	1	1	4	Negligible

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
949	P2_B075	220711.0381	580629.8590	22.0000	0.22	5.39	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
950	P2_B076	220711.0381	580639.8590	36.0000	0.36	7.10	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
951	P2_B077	220711.0381	580649.8590	95.0000	0.95	7.23	4	Sand or Gravel	Thin Peat	2	1	8	Low
952	P2_T175	219333.0000	580621.0000	80.0000	0.80	1.89	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
953	P2_T176	219333.0000	580631.0000	54.0000	0.54	1.89	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
954	P2_T177	219333.0000	580641.0000	64.0000	0.64	1.90	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
955	P2_T178	219333.0000	580651.0000	87.0000	0.87	1.94	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
956	P2_T179	219333.0000	580661.0000	62.0000	0.62	1.94	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
957	P2_T180	219333.0000	580671.0000	73.0000	0.73	1.89	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
958	P2_T183	219343.0000	580621.0000	70.0000	0.70	1.17	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
959	P2_T184	219353.0000	580621.0000	55.0000	0.55	0.79	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
960	P2_T185	219363.0000	580621.0000	70.0000	0.70	0.75	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
961	P2_T186	219373.0000	580621.0000	31.0000	0.31	0.70	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
962	P2_T187	219383.0000	580621.0000	48.0000	0.48	0.65	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
963	P2_T188	219393.0000	580621.0000	60.0000	0.60	0.60	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
964	P2_T189	219403.0000	580621.0000	55.0000	0.55	0.60	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
965	P2_T190	219333.0000	580611.0000	76.0000	0.76	1.01	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
966	P2_T191	219333.0000	580601.0000	70.0000	0.70	0.29	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
967	P2_T197	219323.0000	580621.0000	70.0000	0.70	2.04	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
968	P2_T198	219313.0000	580621.0000	82.0000	0.82	1.99	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
969	P2_T199	219303.0000	580621.0000	120.0000	1.20	1.95	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
970	P2_T200	219293.0000	580621.0000	93.0000	0.93	1.86	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
971	P2_T201	219283.0000	580621.0000	89.0000	0.89	1.89	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
972	P2_T202	219273.0000	580621.0000	95.0000	0.95	1.86	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
973	P2_T203	219263.0000	580621.0000	105.0000	1.05	1.89	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
974	A353	219111.9922	580646.0266	54.0000	0.54	2.73	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
975	A354	219211.9922	580646.0266	78.0000	0.78	1.40	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
976	A355	219311.9922	580646.0266	68.0000	0.68	2.04	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
977	A356	219411.9922	580646.0266	56.0000	0.56	0.97	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
978	A357	219511.9922	580646.0266	55.0000	0.55	6.25	4	Sand or Gravel	Thin Peat	2	1	8	Low
979	A358	219611.9922	580646.0266	42.0000	0.42	3.66	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
980	A359	219711.9922	580646.0266	74.0000	0.74	2.32	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
981	A360	219811.9922	580646.0266	161.0000	1.61	4.66	4	Sand or Gravel	Thick Peat	3	1	12	Low
982	A361	219911.9922	580646.0266	147.0000	1.47	4.46	4	Sand or Gravel	Thin Peat	2	1	8	Low
983	A362	220011.9922	580646.0266	519.0000	5.19	1.05	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
984	A363	220111.9922	580646.0266	138.0000	1.38	1.29	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
985	A364	220211.9922	580646.0266	34.0000	0.34	3.46	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
986	A365	220311.9922	580646.0266	41.0000	0.41	1.18	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
987	A366	220411.9922	580646.0266	159.0000	1.59	1.59	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
988	A367	220511.9922	580646.0266	205.0000	2.05	1.18	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
989	A368	220611.9922	580646.0266	193.0000	1.93	1.43	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
990	A369	220711.9922	580646.0266	28.0000	0.28	7.23	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
991	A370	220811.9922	580646.0266	101.0000	1.01	2.92	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
992	A371	220911.9922	580646.0266	126.0000	1.26	2.87	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
993	A372	221011.9922	580646.0266	33.0000	0.33	3.14	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
994	A373	221111.9922	580646.0266	76.0000	0.76	1.81	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
995	A374	221211.9922	580646.0266	207.0000	2.07	3.98	2	Sand or Gravel	Thick Peat	3	1	6	Low
996	P2_A144	219084.1949	580552.5445	89.0000	0.89	2.55	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
997	P2_A145	219076.4545	580558.8791	59.0000	0.59	2.52	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
998	P2_A146	219091.6465	580545.8747	99.0000	0.99	1.55	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
999	P2_A147	219126.7715	580575.6229	122.0000	1.22	1.52	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,000	P2_A148	219129.8197	580566.0985	170.0000	1.70	1.46	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,001	P2_A149	219123.4389	580585.0529	100.0000	1.00	2.50	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,002	P2_A150	219175.8013	580583.6353	218.0000	2.18	0.20	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,003	P2_A151	219174.9175	580593.5963	235.0000	2.35	0.20	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,004	P2_A152	219175.8351	580573.6045	220.0000	2.20	0.17	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,005	P2_A153	219225.6339	580587.7233	95.0000	0.95	2.53	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,006	P2_A154	219224.7501	580597.6843	125.0000	1.25	2.52	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,007	P2_A155	219226.9407	580577.7969	110.0000	1.10	2.51	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,008	P2_A156	219275.4653	580591.8257	140.0000	1.40	1.87	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,009	P2_A158	219276.0765	580581.8443	127.0000	1.27	2.02	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,010	P2_A160	219375.8121	580593.6509	63.0000	0.63	0.63	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,011	P2_B055	220711.0381	580589.8590	47.0000	0.47	3.62	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,012	P2_B056	220711.0381	580599.8590	32.0000	0.32	6.27	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,013	P2_B057	220721.0381	580589.8590	21.0000	0.21	3.53	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,014	P2_B058	220731.0381	580589.8590	23.0000	0.23	3.52	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,015	P2_B059	220741.0381	580589.8590	39.0000	0.39	3.48	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,016	P2_B060	220751.0381	580589.8590	63.0000	0.63	2.32	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,017	P2_B061	220761.0381	580589.8590	92.0000	0.92	2.89	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,018	P2_B063	220711.0381	580579.8590	34.0000	0.34	2.98	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,019	P2_B064	220711.0381	580569.8590	37.0000	0.37	3.00	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,020	P2_B065	220711.0381	580559.8590	48.0000	0.48	3.00	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,021	P2_B066	220711.0381	580549.8590	39.0000	0.39	3.00	2	Sand or Gravel	Peaty soil	1	1	2	Negligible

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,022	P2_B067	220711.0381	580539.8590	28.0000	0.28	3.00	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,023	P2_B068	220711.0381	580529.8590	56.0000	0.56	2.70	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,024	P2_B071	220701.0381	580589.8590	23.0000	0.23	4.69	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,025	P2_B072	220691.0381	580589.8590	20.0000	0.20	6.54	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,026	P2_B073	220681.0381	580589.8590	18.0000	0.18	6.56	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,027	P2_B074	220671.0381	580589.8590	10.0000	0.10	6.69	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,028	P2_T192	219333.0000	580591.0000	76.0000	0.76	0.30	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,029	P2_T193	219333.0000	580581.0000	43.0000	0.43	0.33	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,030	P2_T194	219333.0000	580571.0000	38.0000	0.38	0.27	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,031	P2_T195	219333.0000	580561.0000	40.0000	0.40	1.49	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,032	P2_T196	219333.0000	580551.0000	42.0000	0.42	2.11	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,033	A331	219011.9922	580546.0266	254.0000	2.54	2.53	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,034	A332	219111.9922	580546.0266	104.0000	1.04	1.46	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,035	A333	219211.9922	580546.0266	102.0000	1.02	0.22	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,036	A334	219311.9922	580546.0266	72.0000	0.72	0.29	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,037	A335	219411.9922	580546.0266	69.0000	0.69	4.34	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,038	A336	219511.9922	580546.0266	63.0000	0.63	5.32	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,039	A337	219611.9922	580546.0266	56.0000	0.56	1.73	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,040	A338	219711.9922	580546.0266	25.0000	0.25	2.49	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,041	A339	219811.9922	580546.0266	365.0000	3.65	3.87	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,042	A340	219911.9922	580546.0266	231.0000	2.31	1.93	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,043	A341	220011.9922	580546.0266	176.0000	1.76	1.29	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,044	A342	220111.9922	580546.0266	186.0000	1.86	1.24	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,045	A343	220211.9922	580546.0266	265.0000	2.65	1.81	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,046	A344	220311.9922	580546.0266	172.0000	1.72	0.89	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,047	A345	220411.9922	580546.0266	209.0000	2.09	0.41	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,048	A346	220511.9922	580546.0266	270.0000	2.70	1.18	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,049	A347	220611.9922	580546.0266	64.0000	0.64	3.27	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,050	A348	220711.9922	580546.0266	42.0000	0.42	3.00	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,051	A349	220811.9922	580546.0266	74.0000	0.74	5.20	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,052	A350	220911.9922	580546.0266	360.0000	3.60	4.82	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,053	A351	221011.9922	580546.0266	101.0000	1.01	2.55	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,054	A352	221111.9922	580546.0266	367.0000	3.67	3.08	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,055	P2_A132	218614.0457	580445.7675	179.0000	1.79	4.31	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,056	P2_A133	218620.5503	580453.3663	142.0000	1.42	4.27	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,057	P2_A135	219039.4869	580464.2383	171.0000	1.71	1.46	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,058	P2_A136	219048.7881	580460.5651	175.0000	1.75	1.46	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,059	P2_A137	219030.4361	580468.4907	140.0000	1.40	1.48	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,060	P2_A138	218577.0995	580479.4569	73.0000	0.73	7.32	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,061	P2_A139	218570.2667	580472.1549	74.0000	0.74	7.54	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,062	P2_A140	218584.5265	580486.2177	68.0000	0.68	6.64	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,063	P2_A141	219058.2877	580510.5689	104.0000	1.04	1.51	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,064	P2_A142	219067.5889	580506.8957	76.0000	0.76	1.46	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,065	P2_A143	219048.8943	580513.9991	162.0000	1.62	1.95	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,066	P2_B069	220711.0381	580519.8590	73.0000	0.73	1.86	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,067	P2_T121	219985.0000	580450.0000	412.0000	4.12	0.90	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,068	P2_T122	219985.0000	580460.0000	317.0000	3.17	5.11	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,069	P2_T123	219985.0000	580470.0000	314.0000	3.14	3.98	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,070	P2_T124	219985.0000	580480.0000	302.0000	3.02	3.83	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,071	A311	218911.9922	580446.0266	614.0000	6.14	0.15	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,072	A312	219011.9922	580446.0266	224.0000	2.24	0.61	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,073	A313	219111.9922	580446.0266	367.0000	3.67	1.49	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,074	A314	219211.9922	580446.0266	126.0000	1.26	1.23	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,075	A315	219311.9922	580446.0266	74.0000	0.74	1.84	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,076	A316	219411.9922	580446.0266	53.0000	0.53	2.87	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,077	A317	219511.9922	580446.0266	358.0000	3.58	3.51	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,078	A318	219611.9922	580446.0266	192.0000	1.92	3.48	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,079	A319	219711.9922	580446.0266	152.0000	1.52	2.90	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,080	A320	219811.9922	580446.0266	207.0000	2.07	0.59	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,081	A321	219911.9922	580446.0266	324.0000	3.24	1.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,082	A322	220011.9922	580446.0266	510.0000	5.10	3.61	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,083	A323	220111.9922	580446.0266	40.0000	0.40	1.73	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,084	A324	220211.9922	580446.0266	395.0000	3.95	2.87	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,085	A325	220311.9922	580446.0266	169.0000	1.69	1.59	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,086	A326	220411.9922	580446.0266	248.0000	2.48	1.39	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,087	A327	220511.9922	580446.0266	206.0000	2.06	2.31	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,088	A328	220611.9922	580446.0266	169.0000	1.69	3.44	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,089	A329	220711.9922	580446.0266	258.0000	2.58	3.86	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,090	A330	220811.9922	580446.0266	172.0000	1.72	3.80	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,091	P2_A116	218739.2085	580365.6639	285.0000	2.85	0.97	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,092	P2_A117	218920.9223	580373.9669	322.0000	3.22	1.19	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,093	P2_A118	218915.8581	580382.5907	587.0000	5.87	1.19	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,094	P2_A119	218925.6003	580365.1269	512.0000	5.12	1.20	1	Sand or Gravel	Thick Peat	3	1	3	Negligible

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,095	P2_A120	218692.3963	580383.7687	235.0000	2.35	3.30	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,096	P2_A121	218686.9561	580375.3779	169.0000	1.69	3.67	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,097	P2_A122	218698.3059	580391.8359	240.0000	2.40	1.90	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,098	P2_A123	218963.2377	580400.3471	533.0000	5.33	0.43	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,099	P2_A124	218969.3985	580392.4697	351.0000	3.51	0.41	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,100	P2_A125	218956.3231	580407.6197	398.0000	3.98	0.43	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,101	P2_A126	218652.6979	580414.0555	152.0000	1.52	3.11	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,102	P2_A127	218659.2017	580421.6535	182.0000	1.82	3.67	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,103	P2_A128	218646.5367	580406.1777	156.0000	1.56	2.97	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,104	P2_A129	219002.2279	580431.6483	346.0000	3.46	0.60	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,105	P2_A130	219008.3887	580423.7709	284.0000	2.84	0.67	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,106	P2_A131	218995.6889	580439.2225	403.0000	4.03	0.49	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,107	P2_A134	218607.2129	580438.4655	217.0000	2.17	4.29	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,108	P2_T117	219985.0000	580410.0000	497.0000	4.97	2.46	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,109	P2_T118	219985.0000	580420.0000	447.0000	4.47	1.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,110	P2_T125	219995.0000	580410.0000	490.0000	4.90	2.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,111	P2_T126	220005.0000	580410.0000	155.0000	1.55	0.84	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,112	P2_T127	220015.0000	580410.0000	193.0000	1.93	2.07	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,113	P2_T128	220025.0000	580410.0000	184.0000	1.84	2.07	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,114	P2_T129	220035.0000	580410.0000	152.0000	1.52	2.07	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,115	P2_T130	220045.0000	580410.0000	122.0000	1.22	2.07	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,116	P2_T131	220055.0000	580410.0000	39.0000	0.39	2.07	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,117	P2_T132	219985.0000	580400.0000	425.0000	4.25	1.82	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,118	P2_T133	219985.0000	580390.0000	385.0000	3.85	1.38	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,119	P2_T134	219985.0000	580380.0000	217.0000	2.17	1.38	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,120	P2_T135	219985.0000	580370.0000	171.0000	1.71	1.40	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,121	P2_T136	219985.0000	580360.0000	112.0000	1.12	1.46	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,122	P2_T139	219975.0000	580410.0000	440.0000	4.40	2.33	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,123	P2_T140	219982.0000	580403.0000	343.0000	3.43	2.44	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,124	P2_T142	219945.0000	580410.0000	315.0000	3.15	1.89	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,125	P2_T143	219935.0000	580410.0000	307.0000	3.07	1.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,126	P2_T144	219925.0000	580410.0000	240.0000	2.40	1.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,127	P2_T145	219915.0000	580410.0000	245.0000	2.45	1.44	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,128	P2_T148	218721.0000	580361.0000	262.0000	2.62	0.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,129	P2_T149	218721.0000	580371.0000	268.0000	2.68	0.91	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,130	P2_T150	218721.0000	580381.0000	416.0000	4.16	0.91	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,131	P2_T151	218721.0000	580391.0000	424.0000	4.24	0.91	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,132	P2_T152	218721.0000	580401.0000	456.0000	4.56	0.91	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,133	P2_T153	218721.0000	580411.0000	417.0000	4.17	0.91	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,134	P2_A102	220001.4223	580301.0071	60.0000	0.60	3.99	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,135	P2_A103	219991.5401	580302.5501	49.0000	0.49	3.52	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,136	P2_A104	220011.2253	580299.0291	36.0000	0.36	3.89	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,137	P2_A105	218831.9353	580336.0663	362.0000	3.62	0.92	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,138	P2_A106	218833.6961	580345.9103	389.0000	3.89	0.97	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,139	P2_A107	218829.7697	580326.2993	358.0000	3.58	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,140	P2_A108	218784.5785	580355.2627	339.0000	3.39	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,141	P2_A109	218877.3351	580349.4685	503.0000	5.03	1.20	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,142	P2_A110	218872.2711	580358.0925	489.0000	4.89	1.20	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,143	P2_A111	218882.0133	580340.6285	520.0000	5.20	0.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,144	P2_A112	220009.3781	580350.2653	61.0000	0.61	2.88	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,145	P2_A113	219999.3805	580350.0441	71.0000	0.71	3.55	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,146	P2_A114	220019.3927	580349.5975	72.0000	0.72	2.12	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,147	P2_A115	218734.5197	580356.8313	292.0000	2.92	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,148	P2_H06	219939.8669	580308.7687	159.0000	1.59	1.87	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,149	P2_T137	219985.0000	580350.0000	59.0000	0.59	2.01	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,150	P2_T138	219985.0000	580340.0000	63.0000	0.63	2.59	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,151	P2_T146	218721.0000	580341.0000	189.0000	1.89	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,152	P2_T147	218721.0000	580351.0000	243.0000	2.43	0.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,153	P2_T154	218731.0000	580341.0000	222.0000	2.22	0.97	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,154	P2_T155	218741.0000	580341.0000	228.0000	2.28	0.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,155	P2_T156	218751.0000	580341.0000	293.0000	2.93	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,156	P2_T157	218761.0000	580341.0000	282.0000	2.82	0.92	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,157	P2_T158	218771.0000	580341.0000	315.0000	3.15	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,158	P2_T159	218781.0000	580341.0000	321.0000	3.21	0.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,159	P2_T160	218791.0000	580341.0000	288.0000	2.88	0.97	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,160	P2_T161	218721.0000	580331.0000	147.0000	1.47	1.10	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,161	P2_T162	218721.0000	580321.0000	58.0000	0.58	1.19	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,162	P2_T163	218721.0000	580311.0000	67.0000	0.67	1.20	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,163	P2_T164	218721.0000	580301.0000	60.0000	0.60	1.20	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,164	P2_T165	218721.0000	580291.0000	42.0000	0.42	1.16	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,165	P2_T166	218721.0000	580281.0000	56.0000	0.56	1.15	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,166	P2_T168	218711.0000	580341.0000	126.0000	1.26	1.06	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,167	P2_T169	218701.0000	580341.0000	81.0000	0.81	1.16	1	Sand or Gravel	Thin Peat	2	1	2	Negligible

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,168	P2_T170	218691.0000	580341.0000	52.0000	0.52	2.00	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,169	P2_T171	218681.0000	580341.0000	51.0000	0.51	2.51	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,170	P2_T172	218671.0000	580341.0000	49.0000	0.49	2.60	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,171	P2_T173	218661.0000	580341.0000	49.0000	0.49	2.70	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,172	P2_T174	218651.0000	580341.0000	46.0000	0.46	2.70	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,173	A291	218711.9922	580346.0266	76.0000	0.76	0.97	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,174	A292	218811.9922	580346.0266	388.0000	3.88	0.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,175	A293	218911.9922	580346.0266	415.0000	4.15	1.19	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,176	A294	219011.9922	580346.0266	401.0000	4.01	0.67	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,177	A295	219111.9922	580346.0266	190.0000	1.90	0.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,178	A296	219211.9922	580346.0266	30.0000	0.30	1.99	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,179	A297	219311.9922	580346.0266	89.0000	0.89	2.97	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,180	A298	219411.9922	580346.0266	223.0000	2.23	2.31	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,181	A299	219511.9922	580346.0266	53.0000	0.53	3.93	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,182	A300	219611.9922	580346.0266	477.0000	4.77	1.69	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,183	A301	219711.9922	580346.0266	125.0000	1.25	1.12	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,184	A302	219811.9922	580346.0266	204.0000	2.04	1.68	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,185	A303	219911.9922	580346.0266	339.0000	3.39	0.09	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,186	A304	220011.9922	580346.0266	87.0000	0.87	2.24	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,187	A305	220111.9922	580346.0266	51.0000	0.51	2.20	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,188	A306	220211.9922	580346.0266	317.0000	3.17	2.93	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,189	A307	220311.9922	580346.0266	113.0000	1.13	1.37	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,190	A308	220411.9922	580346.0266	140.0000	1.40	1.37	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,191	A309	220511.9922	580346.0266	90.0000	0.90	1.97	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,192	A310	220611.9922	580346.0266	30.0000	0.30	2.15	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,193	P2_A096	219992.7111	580202.8247	37.0000	0.37	8.83	6	Sand or Gravel	Peaty soil	1	1	6	Low
1,194	P2_A097	220002.4185	580205.2349	29.0000	0.29	7.35	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,195	P2_A098	219982.9081	580200.8467	44.0000	0.44	5.96	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,196	P2_A099	219992.3203	580251.8427	48.0000	0.48	6.65	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,197	P2_A100	219982.4381	580253.3855	61.0000	0.61	2.61	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,198	P2_A101	220002.1233	580249.8645	39.0000	0.39	6.43	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,199	P2_T167	218721.0000	580271.0000	45.0000	0.45	1.19	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,200	A272a	218719.0000	580256.0000	72.0000	0.72	1.20	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,201	A273	218811.9922	580246.0266	228.0000	2.28	1.17	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,202	A274	218911.9922	580246.0266	251.0000	2.51	1.90	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,203	A275	219011.9922	580246.0266	352.0000	3.52	0.99	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,204	A276	219111.9922	580246.0266	172.0000	1.72	0.19	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,205	A277	219211.9922	580246.0266	79.0000	0.79	1.20	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,206	A278	219311.9922	580246.0266	290.0000	2.90	2.14	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,207	A279	219411.9922	580246.0266	201.0000	2.01	2.13	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,208	A280	219511.9922	580246.0266	233.0000	2.33	2.15	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,209	A281	219611.9922	580246.0266	156.0000	1.56	1.32	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,210	A282	219711.9922	580246.0266	125.0000	1.25	2.82	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,211	A283a	219842.0000	580219.0000	179.0000	1.79	1.37	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,212	A284	219911.9922	580246.0266	42.0000	0.42	2.75	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,213	A285	220011.9922	580246.0266	15.0000	0.15	3.24	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,214	A286	220111.9922	580246.0266	175.0000	1.75	3.84	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,215	A287	220211.9922	580246.0266	169.0000	1.69	1.72	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,216	A288	220311.9922	580246.0266	70.0000	0.70	1.99	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,217	A289	220411.9922	580246.0266	173.0000	1.73	0.97	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,218	A290	220511.9922	580246.0266	50.0000	0.50	3.00	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,219	P2_A093	220003.7481	580154.1263	33.0000	0.33	6.33	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,220	P2_A094	219994.3893	580150.3485	66.0000	0.66	7.39	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,221	P2_A095	220012.6701	580158.6685	34.0000	0.34	5.57	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,222	A254	218711.9922	580146.0266	92.0000	0.92	6.01	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,223	A255	218811.9922	580146.0266	206.0000	2.06	1.80	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,224	A256	218911.9922	580146.0266	298.0000	2.98	0.65	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,225	A257	219011.9922	580146.0266	76.0000	0.76	0.67	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,226	A258	219111.9922	580146.0266	76.0000	0.76	1.38	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,227	A259	219211.9922	580146.0266	430.0000	4.30	2.48	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,228	A260	219311.9922	580146.0266	107.0000	1.07	1.40	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,229	A261	219411.9922	580146.0266	237.0000	2.37	1.85	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,230	A262	219511.9922	580146.0266	157.0000	1.57	2.13	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,231	A263	219611.9922	580146.0266	25.0000	0.25	3.21	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,232	A264	219711.9922	580146.0266	286.0000	2.86	1.23	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,233	A265	219811.9922	580146.0266	70.0000	0.70	5.72	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,234	A266	219911.9922	580146.0266	29.0000	0.29	6.57	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,235	A267	220011.9922	580146.0266	36.0000	0.36	6.51	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,236	A268	220111.9922	580146.0266	280.0000	2.80	2.44	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,237	A269	220211.9922	580146.0266	113.0000	1.13	2.64	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,238	A270	220311.9922	580146.0266	125.0000	1.25	1.47	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,239	A271	220411.9922	580146.0266	38.0000	0.38	3.99	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,240	P2_A084	220105.8021	580048.9547	121.0000	1.21	4.37	4	Sand or Gravel	Thin Peat	2	1	8	Low

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,241	P2_A085	220110.8669	580057.5795	49.0000	0.49	2.57	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,242	P2_A086	220101.1247	580040.1157	36.0000	0.36	6.26	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,243	P2_A087	220064.8197	580077.4467	71.0000	0.71	2.28	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,244	P2_A088	220070.6265	580085.5895	59.0000	0.59	2.94	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,245	P2_A089	220058.6585	580069.5687	42.0000	0.42	2.13	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,246	P2_A090	220028.5551	580110.7141	43.0000	0.43	6.55	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,247	P2_A091	220037.2883	580115.5859	56.0000	0.56	6.64	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,248	P2_A092	220020.2923	580105.0817	34.0000	0.34	6.58	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,249	A236	218711.9922	580046.0266	163.0000	1.63	3.60	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,250	A237	218811.9922	580046.0266	165.0000	1.65	2.31	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,251	A238	218911.9922	580046.0266	203.0000	2.03	1.65	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,252	A239	219011.9922	580046.0266	238.0000	2.38	1.00	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,253	A240	219111.9922	580046.0266	434.0000	4.34	1.27	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,254	A241	219211.9922	580046.0266	255.0000	2.55	3.25	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,255	A242	219311.9922	580046.0266	470.0000	4.70	2.45	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,256	A243	219411.9922	580046.0266	97.0000	0.97	0.98	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,257	A244	219511.9922	580046.0266	133.0000	1.33	2.77	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,258	A245	219611.9922	580046.0266	322.0000	3.22	4.49	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,259	A246	219711.9922	580046.0266	169.0000	1.69	3.29	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,260	A247	219811.9922	580046.0266	68.0000	0.68	0.74	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,261	A248	219911.9922	580046.0266	104.0000	1.04	2.37	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,262	A249	220011.9922	580046.0266	31.0000	0.31	3.43	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,263	A250	220111.9922	580046.0266	58.0000	0.58	1.32	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,264	A251	220211.9922	580046.0266	145.0000	1.45	2.84	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,265	A252	220311.9922	580046.0266	51.0000	0.51	3.66	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,266	A253	220411.9922	580046.0266	33.0000	0.33	2.74	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,267	P2_A078	220196.2387	580006.7643	615.0000	6.15	2.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,268	P2_A079	220199.7055	580016.1453	448.0000	4.48	2.29	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,269	P2_A080	220192.3603	579997.5455	404.0000	4.04	1.61	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,270	P2_A081	220149.7013	580025.0469	57.0000	0.57	0.52	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,271	P2_A082	220153.1681	580034.4279	122.0000	1.22	0.51	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,272	P2_A083	220145.8229	580015.8281	60.0000	0.60	0.52	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,273	A233a	220198.0000	579961.0000	349.0000	3.49	0.87	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,274	P2_T092	219480.0000	579880.0000	175.0000	1.75	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,275	P2_T093	219480.0000	579890.0000	172.0000	1.72	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,276	P2_T094	219480.0000	579900.0000	181.0000	1.81	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,277	P2_T095	219480.0000	579910.0000	191.0000	1.91	3.04	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,278	A218	218711.9922	579946.0266	66.0000	0.66	3.43	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,279	A219	218811.9922	579946.0266	183.0000	1.83	1.34	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,280	A220	218911.9922	579946.0266	231.0000	2.31	0.89	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,281	A221	219011.9922	579946.0266	465.0000	4.65	0.81	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,282	A222	219111.9922	579946.0266	542.0000	5.42	0.77	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,283	A223	219211.9922	579946.0266	563.0000	5.63	0.88	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,284	A224	219311.9922	579946.0266	332.0000	3.32	1.67	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,285	A225	219411.9922	579946.0266	238.0000	2.38	1.60	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,286	A226	219511.9922	579946.0266	96.0000	0.96	3.09	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,287	A227	219611.9922	579946.0266	169.0000	1.69	5.93	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,288	A228	219711.9922	579946.0266	47.0000	0.47	1.52	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,289	A229	219811.9922	579946.0266	117.0000	1.17	2.82	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,290	A230	219911.9922	579946.0266	137.0000	1.37	1.66	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,291	A231	220011.9922	579946.0266	119.0000	1.19	1.20	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,292	A232	220111.9922	579946.0266	257.0000	2.57	6.80	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,293	A234	220311.9922	579946.0266	31.0000	0.31	0.90	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,294	A235	220411.9922	579946.0266	43.0000	0.43	0.99	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,295	P2_T088	219480.0000	579840.0000	197.0000	1.97	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,296	P2_T089	219480.0000	579850.0000	216.0000	2.16	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,297	P2_T090	219480.0000	579860.0000	173.0000	1.73	3.04	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,298	P2_T091	219480.0000	579870.0000	190.0000	1.90	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,299	P2_T096	219490.0000	579840.0000	173.0000	1.73	3.02	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,300	P2_T097	219500.0000	579840.0000	166.0000	1.66	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,301	P2_T098	219510.0000	579840.0000	144.0000	1.44	3.05	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,302	P2_T099	219520.0000	579840.0000	77.0000	0.77	3.01	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,303	P2_T100	219530.0000	579840.0000	80.0000	0.80	2.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,304	P2_T101	219540.0000	579840.0000	44.0000	0.44	2.58	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,305	P2_T102	219550.0000	579840.0000	45.0000	0.45	2.53	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,306	P2_T103	219480.0000	579830.0000	138.0000	1.38	3.05	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,307	P2_T104	219480.0000	579820.0000	145.0000	1.45	3.04	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,308	P2_T105	219480.0000	579810.0000	142.0000	1.42	3.02	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,309	P2_T106	219480.0000	579800.0000	117.0000	1.17	3.05	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,310	P2_T110	219470.0000	579840.0000	223.0000	2.23	3.04	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,311	P2_T111	219460.0000	579840.0000	219.0000	2.19	3.07	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,312	P2_T112	219450.0000	579840.0000	191.0000	1.91	3.04	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,313	P2_T113	219440.0000	579840.0000	181.0000	1.81	3.05	2	Sand or Gravel	Thick Peat	3	1	6	Low

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,314	P2_T114	219430.0000	579840.0000	135.0000	1.35	2.67	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,315	P2_T115	219420.0000	579840.0000	148.0000	1.48	1.60	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,316	P2_T116	219410.0000	579840.0000	186.0000	1.86	1.62	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,317	A202	218811.9922	579846.0266	161.0000	1.61	0.79	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,318	A203	218911.9922	579846.0266	747.0000	7.47	0.34	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,319	A204	219011.9922	579846.0266	857.0000	8.57	0.13	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,320	A205	219111.9922	579846.0266	702.0000	7.02	0.83	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,321	A206	219211.9922	579846.0266	323.0000	3.23	0.96	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,322	A207	219311.9922	579846.0266	459.0000	4.59	1.85	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,323	A208	219411.9922	579846.0266	118.0000	1.18	1.60	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,324	A209	219511.9922	579846.0266	128.0000	1.28	3.04	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,325	A210	219611.9922	579846.0266	75.0000	0.75	0.41	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,326	A211	219711.9922	579846.0266	78.0000	0.78	0.41	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,327	A212	219811.9922	579846.0266	33.0000	0.33	2.32	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,328	A213	219911.9922	579846.0266	220.0000	2.20	2.36	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,329	A214	220011.9922	579846.0266	432.0000	4.32	2.32	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,330	A215	220111.9922	579846.0266	40.0000	0.40	1.60	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,331	A216	220211.9922	579846.0266	133.0000	1.33	1.63	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,332	A217	220311.9922	579846.0266	46.0000	0.46	3.12	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,333	P2_T107	219480.0000	579790.0000	112.0000	1.12	3.07	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,334	P2_T108	219480.0000	579780.0000	122.0000	1.22	2.94	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,335	P2_T109	219480.0000	579770.0000	164.0000	1.64	2.61	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,336	A187	218811.9922	579746.0266	190.0000	1.90	0.96	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,337	A188	218911.9922	579746.0266	924.0000	9.24	0.16	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,338	A189	219011.9922	579746.0266	657.0000	6.57	0.24	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,339	A190	219111.9922	579746.0266	564.0000	5.64	0.77	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,340	A191	219211.9922	579746.0266	314.0000	3.14	1.74	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,341	A192	219311.9922	579746.0266	270.0000	2.70	1.84	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,342	A193	219411.9922	579746.0266	195.0000	1.95	1.50	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,343	A194	219511.9922	579746.0266	221.0000	2.21	2.51	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,344	A196	219711.9922	579746.0266	70.0000	0.70	2.25	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,345	A197	219811.9922	579746.0266	22.0000	0.22	2.52	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,346	A198	219911.9922	579746.0266	94.0000	0.94	2.48	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,347	A199	220011.9922	579746.0266	40.0000	0.40	3.31	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,348	A200	220111.9922	579746.0266	56.0000	0.56	2.31	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,349	A201	220211.9922	579746.0266	54.0000	0.54	1.58	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,350	A174	218811.9922	579646.0266	150.0000	1.50	1.55	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,351	A175	218911.9922	579646.0266	335.0000	3.35	0.26	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,352	A176	219011.9922	579646.0266	525.0000	5.25	0.77	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,353	A177	219111.9922	579646.0266	394.0000	3.94	0.92	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,354	A178	219211.9922	579646.0266	314.0000	3.14	1.44	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,355	A179a	219306.0000	579653.0000	295.0000	2.95	1.73	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,356	A180	219411.9922	579646.0266	133.0000	1.33	2.34	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,357	A181	219511.9922	579646.0266	201.0000	2.01	1.03	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,358	A182	219611.9922	579646.0266	79.0000	0.79	0.94	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,359	A183	219711.9922	579646.0266	271.0000	2.71	1.26	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,360	A184	219811.9922	579646.0266	97.0000	0.97	2.04	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,361	A185	219911.9922	579646.0266	72.0000	0.72	2.41	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,362	A186	220011.9922	579646.0266	121.0000	1.21	1.76	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,363	A195a	219607.0000	579708.0000	50.0000	0.50	0.85	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,364	A163	218811.9922	579546.0266	412.0000	4.12	1.09	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,365	A164	218911.9922	579546.0266	94.0000	0.94	1.05	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,366	A165	219011.9922	579546.0266	195.0000	1.95	0.87	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,367	A166	219111.9922	579546.0266	403.0000	4.03	0.87	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,368	A167	219211.9922	579546.0266	297.0000	2.97	1.14	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,369	A168	219311.9922	579546.0266	408.0000	4.08	1.77	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,370	A169	219411.9922	579546.0266	245.0000	2.45	2.18	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,371	A170	219511.9922	579546.0266	148.0000	1.48	1.12	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,372	A171	219611.9922	579546.0266	96.0000	0.96	1.06	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,373	A172	219711.9922	579546.0266	870.0000	8.70	1.00	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,374	A173	219811.9922	579546.0266	377.0000	3.77	0.96	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,375	A151	218811.9922	579446.0266	355.0000	3.55	1.31	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,376	A152	218911.9922	579446.0266	172.0000	1.72	1.45	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,377	A153	219011.9922	579446.0266	51.0000	0.51	1.90	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,378	A154	219111.9922	579446.0266	345.0000	3.45	1.67	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,379	A155	219211.9922	579446.0266	337.0000	3.37	1.14	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,380	A156	219311.9922	579446.0266	413.0000	4.13	1.73	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,381	A157	219411.9922	579446.0266	419.0000	4.19	1.76	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,382	A158	219511.9922	579446.0266	403.0000	4.03	0.89	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,383	A159	219611.9922	579446.0266	84.0000	0.84	1.51	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,384	A160	219711.9922	579446.0266	348.0000	3.48	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,385	A161	220611.9922	579446.0266	37.0000	0.37	6.06	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,386	A162	220711.9922	579446.0266	53.0000	0.53	4.89	4	Sand or Gravel	Thin Peat	2	1	8	Low

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,387	P2_A072	218949.1173	579345.0881	33.0000	0.33	2.25	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,388	P2_A073	218957.3861	579350.7129	40.0000	0.40	3.10	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,389	P2_A074	218940.6067	579339.8337	65.0000	0.65	2.56	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,390	P2_A075	218921.6449	579386.8643	42.0000	0.42	2.24	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,391	P2_A076	218929.9137	579392.4891	61.0000	0.61	2.22	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,392	P2_A077	218913.1343	579381.6099	86.0000	0.86	2.27	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,393	P2_T066	219038.0000	579331.0000	55.0000	0.55	2.73	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,394	P2_Z005	218980.0000	579356.0000	66.0000	0.66	3.46	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,395	P2_Z006	218990.0000	579356.0000	78.0000	0.78	3.28	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,396	P2_Z008	218964.0000	579384.0000	61.0000	0.61	2.79	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,397	P2_Z009	218974.0000	579384.0000	61.0000	0.61	2.40	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,398	P2_Z010	218944.0000	579384.0000	83.0000	0.83	2.27	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,399	A139	218911.9922	579346.0266	126.0000	1.26	2.63	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,400	A140	219011.9922	579346.0266	74.0000	0.74	3.06	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,401	A141a	219069.0000	579359.0000	82.0000	0.82	3.65	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,402	A142	219211.9922	579346.0266	199.0000	1.99	1.75	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,403	A143	219311.9922	579346.0266	318.0000	3.18	2.02	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,404	A144	219411.9922	579346.0266	413.0000	4.13	1.34	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,405	A145	219511.9922	579346.0266	126.0000	1.26	0.90	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,406	A146	219611.9922	579346.0266	287.0000	2.87	1.49	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,407	A147	220511.9922	579346.0266	415.0000	4.15	3.77	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,408	A148	220611.9922	579346.0266	197.0000	1.97	2.79	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,409	A149	220711.9922	579346.0266	51.0000	0.51	1.17	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,410	A150	220811.9922	579346.0266	550.0000	5.50	1.82	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,411	P2_A067	219011.6225	579266.7005	22.0000	0.22	1.08	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,412	P2_A068	218994.8431	579255.8213	31.0000	0.31	1.42	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,413	P2_A069	218976.3997	579303.1883	39.0000	0.39	3.01	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,414	P2_A070	218984.6697	579308.8139	53.0000	0.53	4.34	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,415	P2_A071	218967.8903	579297.9347	42.0000	0.42	2.16	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,416	P2_T059	219038.0000	579261.0000	55.0000	0.55	1.52	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,417	P2_T060	219038.0000	579271.0000	48.0000	0.48	1.53	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,418	P2_T061	219038.0000	579281.0000	39.0000	0.39	1.50	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,419	P2_T074	219038.0000	579251.0000	59.0000	0.59	1.54	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,420	P2_T075	219038.0000	579241.0000	54.0000	0.54	1.55	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,421	P2_T081	219028.0000	579261.0000	39.0000	0.39	1.54	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,422	P2_T083	219008.0000	579261.0000	31.0000	0.31	1.44	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,423	P2_T084	218998.0000	579261.0000	46.0000	0.46	1.42	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,424	P2_T085	218988.0000	579261.0000	40.0000	0.40	1.44	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,425	P2_T086	218978.0000	579261.0000	39.0000	0.39	1.56	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,426	P2_T087	218968.0000	579261.0000	58.0000	0.58	1.71	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,427	P2_Z002	219010.0000	579304.0000	69.0000	0.69	2.90	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,428	P2_Z003	219020.0000	579304.0000	49.0000	0.49	2.45	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,429	A123	218911.9922	579246.0266	525.0000	5.25	1.26	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,430	A124	219011.9922	579246.0266	45.0000	0.45	1.43	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,431	A127	219311.9922	579246.0266	187.0000	1.87	2.57	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,432	A128	219411.9922	579246.0266	53.0000	0.53	0.91	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,433	A129	219511.9922	579246.0266	194.0000	1.94	0.93	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,434	A130	219611.9922	579246.0266	182.0000	1.82	1.52	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,435	A131	220311.9922	579246.0266	51.0000	0.51	3.02	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,436	A132	220411.9922	579246.0266	72.0000	0.72	2.45	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,437	A133	220511.9922	579246.0266	126.0000	1.26	3.29	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,438	A134	220611.9922	579246.0266	356.0000	3.56	0.93	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,439	A135	220711.9922	579246.0266	318.0000	3.18	0.94	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,440	A136	220811.9922	579246.0266	312.0000	3.12	0.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,441	A137	220911.9922	579246.0266	376.0000	3.76	1.60	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,442	A138	221011.9922	579246.0266	270.0000	2.70	1.85	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,443	P2_A062	219055.0537	579175.4815	48.0000	0.48	2.26	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,444	P2_A064	219063.3081	579181.1607	93.0000	0.93	2.24	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,445	P2_A066	219020.8197	579213.1027	62.0000	0.62	0.80	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,446	P2_T076	219038.0000	579231.0000	65.0000	0.65	1.76	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,447	P2_T077	219038.0000	579221.0000	34.0000	0.34	2.20	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,448	P2_T078	219038.0000	579211.0000	8.0000	0.08	2.23	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,449	P2_T080	219038.0000	579191.0000	5.0000	0.05	2.23	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,450	A119a	220837.0000	579194.0000	101.0000	1.01	0.80	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,451	P2_A058	219120.0587	579099.5925	30.0000	0.30	0.99	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,452	P2_A059	219086.2935	579137.5685	46.0000	0.46	2.26	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,453	P2_A059a	219063.0000	579113.0000	31.0000	0.31	2.26	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,454	P2_A060	219092.1005	579145.7117	90.0000	0.90	2.23	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,455	P2_A060a	219069.0000	579116.0000	57.0000	0.57	2.23	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,456	P2_A061a	219059.0000	579109.0000	81.0000	0.81	2.24	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,457	P2_B172	218427.6793	579084.3162	94.0000	0.94	7.04	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,458	P2_T004	220132.0000	579084.0000	239.0000	2.39	2.82	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,459	P2_T005	220132.0000	579094.0000	279.0000	2.79	2.78	2	Sand or Gravel	Thick Peat	3	1	6	Low

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,460	P2_T006	220132.0000	579104.0000	273.0000	2.73	2.71	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,461	P2_T007	220132.0000	579114.0000	99.0000	0.99	2.71	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,462	P2_T008	220132.0000	579124.0000	324.0000	3.24	2.77	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,463	A105	218911.9922	579146.0266	840.0000	8.40	0.69	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,464	A106	219011.9922	579146.0266	133.0000	1.33	1.08	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,465	A107	219111.9922	579146.0266	43.0000	0.43	1.31	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,466	A108	219211.9922	579146.0266	246.0000	2.46	1.18	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,467	A109	219311.9922	579146.0266	212.0000	2.12	3.45	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,468	A110	219411.9922	579146.0266	78.0000	0.78	0.48	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,469	A111	219511.9922	579146.0266	140.0000	1.40	0.66	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,470	A112	220111.9922	579146.0266	310.0000	3.10	2.71	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,471	A113	220211.9922	579146.0266	219.0000	2.19	2.83	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,472	A114	220311.9922	579146.0266	58.0000	0.58	3.16	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,473	A115	220411.9922	579146.0266	45.0000	0.45	0.67	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,474	A116	220511.9922	579146.0266	101.0000	1.01	2.11	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,475	A117	220611.9922	579146.0266	315.0000	3.15	2.05	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,476	A118	220711.9922	579146.0266	175.0000	1.75	2.00	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,477	A120	220911.9922	579146.0266	144.0000	1.44	0.96	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,478	A121	221011.9922	579146.0266	150.0000	1.50	1.93	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,479	A122	221111.9922	579146.0266	212.0000	2.12	1.83	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,480	P2_A037	220445.6611	579010.7369	72.0000	0.72	3.14	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,481	P2_A039	219247.8849	579019.8031	272.0000	2.72	2.74	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,482	P2_A041	219241.0513	579012.5005	137.0000	1.37	2.73	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,483	P2_A042	220192.9757	579028.0245	97.0000	0.97	2.74	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,484	P2_A043	220185.4855	579021.3989	116.0000	1.16	2.52	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,485	P2_A044	220200.1253	579035.0177	244.0000	2.44	2.77	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,486	P2_A048	219206.9715	579048.5157	48.0000	0.48	2.53	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,487	P2_A048a	219201.0000	579010.0000	70.0000	0.70	2.59	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,488	P2_A049	219212.7777	579056.6579	73.0000	0.73	2.59	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,489	P2_A049a	219205.0000	579012.0000	10.0000	0.10	2.58	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,490	P2_A050	219201.5859	579040.0899	31.0000	0.31	2.52	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,491	P2_A050a	219199.0000	579003.0000	46.0000	0.46	2.71	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,492	P2_A051	220157.3027	579063.0595	282.0000	2.82	2.70	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,493	P2_A052	220164.4523	579070.0527	349.0000	3.49	2.95	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,494	P2_A055	219159.9849	579069.4943	40.0000	0.40	2.54	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,495	P2_A056a	219105.0000	579069.0000	190.0000	1.90	1.11	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,496	P2_A057a	219109.0000	579074.0000	108.0000	1.08	1.13	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,497	P2_A058a	219099.0000	579061.0000	221.0000	2.21	1.09	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,498	P2_B155	218427.6793	579024.3162	24.0000	0.24	2.64	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,499	P2_B156	218427.6793	579034.3162	24.0000	0.24	3.40	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,500	P2_B157	218437.6793	579024.3162	29.0000	0.29	3.16	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,501	P2_B158	218447.6793	579024.3162	16.0000	0.16	1.35	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,502	P2_B159	218427.6793	579044.3162	32.0000	0.32	3.39	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,503	P2_B160	218427.6793	579014.3162	31.0000	0.31	2.65	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,504	P2_B161	218427.6793	579004.3162	26.0000	0.26	2.58	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,505	P2_B162	218427.6793	579054.3162	70.0000	0.70	3.83	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,506	P2_B163	218417.6793	579024.3162	28.0000	0.28	2.54	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,507	P2_B164	218407.6793	579024.3162	10.0000	0.10	3.17	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,508	P2_B165	218397.6793	579024.3162	0.0000	0.00	4.09	4	Sand or Gravel	No Peat	0	1	0	Negligible
1,509	P2_B166	218387.6793	579024.3162	8.0000	0.08	4.26	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,510	P2_B167	218377.6793	579024.3162	12.0000	0.12	3.90	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,511	P2_B168	218367.6793	579024.3162	180.0000	1.80	3.42	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,512	P2_B169	218357.6793	579024.3162	109.0000	1.09	3.27	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,513	P2_B170	218427.6793	579064.3162	48.0000	0.48	5.07	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,514	P2_B171	218427.6793	579074.3162	113.0000	1.13	7.00	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,515	P2_T001	220132.0000	579054.0000	77.0000	0.77	4.26	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,516	P2_T002	220132.0000	579064.0000	164.0000	1.64	4.12	4	Sand or Gravel	Thick Peat	3	1	12	Low
1,517	P2_T003	220132.0000	579074.0000	230.0000	2.30	2.82	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,518	P2_T009	220142.0000	579054.0000	174.0000	1.74	3.49	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,519	P2_T010	220152.0000	579054.0000	182.0000	1.82	2.73	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,520	P2_T011	220162.0000	579054.0000	281.0000	2.81	1.36	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,521	P2_T012	220172.0000	579054.0000	268.0000	2.68	2.32	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,522	P2_T013	220182.0000	579054.0000	251.0000	2.51	2.77	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,523	P2_T014	220192.0000	579054.0000	240.0000	2.40	2.76	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,524	P2_T015	220202.0000	579054.0000	275.0000	2.75	2.76	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,525	P2_T016	220132.0000	579044.0000	38.0000	0.38	3.50	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,526	P2_T017	220132.0000	579034.0000	36.0000	0.36	5.13	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,527	P2_T018	220132.0000	579024.0000	69.0000	0.69	4.82	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,528	P2_T019	220132.0000	579014.0000	47.0000	0.47	4.82	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,529	P2_T020	220132.0000	579004.0000	40.0000	0.40	4.58	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,530	P2_T023	220122.0000	579054.0000	68.0000	0.68	4.27	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,531	P2_T024	220112.0000	579054.0000	62.0000	0.62	4.30	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,532	P2_T025	220102.0000	579054.0000	69.0000	0.69	4.86	4	Sand or Gravel	Thin Peat	2	1	8	Low

Arecleoch Wind Farm Extension

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,533	P2_T026	220092.0000	579054.0000	46.0000	0.46	5.64	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,534	P2_T027	220082.0000	579054.0000	42.0000	0.42	5.01	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,535	P2_T028	220072.0000	579054.0000	64.0000	0.64	2.43	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,536	P2_T029	220062.0000	579054.0000	69.0000	0.69	1.41	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,537	A086	218911.9922	579046.0266	412.0000	4.12	1.81	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,538	A087	219011.9922	579046.0266	505.0000	5.05	1.80	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,539	A088	219111.9922	579046.0266	97.0000	0.97	1.17	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,540	A089	219211.9922	579046.0266	73.0000	0.73	2.66	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,541	A090	219311.9922	579046.0266	119.0000	1.19	3.27	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,542	A091a	219347.0000	579071.0000	77.0000	0.77	0.52	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,543	A092	219511.9922	579046.0266	141.0000	1.41	0.72	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,544	A093	220111.9922	579046.0266	44.0000	0.44	4.72	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,545	A094	220211.9922	579046.0266	112.0000	1.12	3.01	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,546	A095	220311.9922	579046.0266	72.0000	0.72	0.51	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,547	A096	220411.9922	579046.0266	81.0000	0.81	1.87	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,548	A097	220511.9922	579046.0266	97.0000	0.97	1.66	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,549	A098	220611.9922	579046.0266	72.0000	0.72	3.00	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,550	A099	220711.9922	579046.0266	64.0000	0.64	3.07	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,551	A100	220811.9922	579046.0266	162.0000	1.62	1.55	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,552	A101	220911.9922	579046.0266	70.0000	0.70	1.81	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,553	A102a	221003.0000	579034.0000	155.0000	1.55	2.92	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,554	A103	221111.9922	579046.0266	412.0000	4.12	1.93	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,555	A104	221211.9922	579046.0266	146.0000	1.46	1.01	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,556	P2_A013	219363.8969	578925.0625	132.0000	1.32	2.68	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,557	P2_A015	220316.4343	578949.4875	167.0000	1.67	1.50	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,558	P2_A016	220312.3491	578940.3359	38.0000	0.38	1.49	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,559	P2_A017	220319.9007	578958.8675	208.0000	2.08	1.53	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,560	P2_A018	219319.3061	578949.8103	14.0000	0.14	3.42	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,561	P2_A020	219312.4727	578942.5077	32.0000	0.32	3.92	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,562	P2_A021	220362.7333	578956.7225	293.0000	2.93	1.49	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,563	P2_A022	220366.3253	578947.3831	308.0000	3.08	1.52	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,564	P2_A023	220357.8567	578965.4529	257.0000	2.57	1.55	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,565	P2_A024	220269.5267	578966.7987	336.0000	3.36	1.23	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,566	P2_A025	220265.9037	578957.4765	35.0000	0.35	1.26	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,567	P2_A026	220272.9931	578976.1787	292.0000	2.92	1.23	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,568	P2_A027	220408.4309	578976.9189	341.0000	3.41	3.06	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,569	P2_A028	220413.2233	578968.1355	405.0000	4.05	2.76	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,570	P2_A029	220403.3673	578985.5421	125.0000	1.25	3.09	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,571	P2_A030	219283.5955	578984.8067	113.0000	1.13	2.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,572	P2_A030a	219253.0000	578960.0000	107.0000	1.07	1.10	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,573	P2_A031a	219259.0000	578966.0000	94.0000	0.94	2.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,574	P2_A032	219276.7619	578977.5041	50.0000	0.50	2.57	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,575	P2_A032a	219250.0000	578952.0000	121.0000	1.21	1.02	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,576	P2_A033	220227.9183	578992.2627	318.0000	3.18	0.74	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,577	P2_A034	220221.4541	578984.5667	274.0000	2.74	1.26	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,578	P2_A035	220235.0671	578999.2551	328.0000	3.28	0.53	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,579	P2_A039a	219228.0000	578935.0000	65.0000	0.65	0.99	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,580	P2_A040a	219233.0000	578990.0000	39.0000	0.39	2.57	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,581	P2_A041a	219226.0000	578933.0000	62.0000	0.62	0.99	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,582	P2_H05	220175.2877	578955.5740	76.0000	0.76	3.95	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,583	P2_T021	220132.0000	578994.0000	70.0000	0.70	4.42	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,584	P2_T022	220132.0000	578984.0000	96.0000	0.96	4.43	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,585	A068	218911.9922	578946.0266	645.0000	6.45	1.54	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,586	A069	219011.9922	578946.0266	526.0000	5.26	1.54	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,587	A070	219111.9922	578946.0266	125.0000	1.25	2.04	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,588	A071	219211.9922	578946.0266	131.0000	1.31	0.97	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,589	A072	219311.9922	578946.0266	32.0000	0.32	3.92	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,590	A073	219411.9922	578946.0266	203.0000	2.03	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,591	A074	219511.9922	578946.0266	228.0000	2.28	0.77	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,592	A075	220111.9922	578946.0266	38.0000	0.38	6.72	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,593	A076	220211.9922	578946.0266	338.0000	3.38	3.20	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,594	A077	220311.9922	578946.0266	187.0000	1.87	1.53	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,595	A078	220411.9922	578946.0266	325.0000	3.25	1.88	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,596	A079	220511.9922	578946.0266	121.0000	1.21	3.21	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,597	A080	220611.9922	578946.0266	70.0000	0.70	2.82	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,598	A081	220711.9922	578946.0266	68.0000	0.68	2.36	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,599	A082	220811.9922	578946.0266	47.0000	0.47	2.13	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,600	A083	220911.9922	578946.0266	134.0000	1.34	0.63	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,601	A084	221011.9922	578946.0266	78.0000	0.78	2.83	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,602	A085	221111.9922	578946.0266	70.0000	0.70	2.61	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,603	P2_A007	219434.7411	578854.0825	57.0000	0.57	6.66	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,604	P2_A008	219441.2447	578861.6803	103.0000	1.03	2.24	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,605	P2_A009	219396.0673	578885.7737	19.0000	0.19	2.26	2	Sand or Gravel	Peaty soil	1	1	2	Negligible

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,606	P2_A010	219402.5709	578893.3715	44.0000	0.44	3.11	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,607	P2_A011	219389.9061	578877.8957	33.0000	0.33	5.92	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,608	P2_A012	219357.3933	578917.4647	134.0000	1.34	2.75	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,609	P2_A014	219351.2321	578909.5869	50.0000	0.50	4.24	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,610	P2_H04	219335.9301	578856.2837	181.0000	1.81	2.77	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,611	P2_T030	219498.0000	578843.0000	6.0000	0.06	2.85	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,612	P2_T031	219498.0000	578853.0000	38.0000	0.38	2.36	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,613	P2_T032	219498.0000	578863.0000	56.0000	0.56	2.36	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,614	P2_T033	219498.0000	578873.0000	24.0000	0.24	1.53	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,615	P2_T034	219498.0000	578883.0000	35.0000	0.35	2.05	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,616	P2_T035	219498.0000	578893.0000	103.0000	1.03	3.49	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,617	P2_T036	219498.0000	578903.0000	244.0000	2.44	3.49	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,618	P2_T037	219498.0000	578913.0000	132.0000	1.32	3.53	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,619	P2_T038	219508.0000	578843.0000	64.0000	0.64	2.80	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,620	P2_T039	219518.0000	578843.0000	42.0000	0.42	2.76	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,621	P2_T040	219528.0000	578843.0000	44.0000	0.44	2.52	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,622	P2_T041	219538.0000	578843.0000	68.0000	0.68	2.52	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,623	P2_T042	219548.0000	578843.0000	83.0000	0.83	2.83	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,624	P2_T043	219558.0000	578843.0000	99.0000	0.99	2.69	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,625	P2_T044	219568.0000	578843.0000	173.0000	1.73	2.75	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,626	P2_T052	219488.0000	578843.0000	18.0000	0.18	2.87	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,627	P2_T053	219478.0000	578843.0000	42.0000	0.42	2.93	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,628	P2_T054	219468.0000	578843.0000	24.0000	0.24	3.53	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,629	P2_T055	219458.0000	578843.0000	44.0000	0.44	4.95	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,630	P2_T056	219448.0000	578843.0000	48.0000	0.48	6.81	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,631	P2_T057	219438.0000	578843.0000	70.0000	0.70	6.83	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,632	P2_T058	219428.0000	578843.0000	88.0000	0.88	6.70	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,633	A055	219411.9922	578846.0266	74.0000	0.74	6.51	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,634	A056	219511.9922	578846.0266	36.0000	0.36	2.37	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,635	A057	220011.9922	578846.0266	47.0000	0.47	6.08	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,636	A058	220111.9922	578846.0266	33.0000	0.33	6.91	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,637	A059	220211.9922	578846.0266	553.0000	5.53	1.53	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,638	A060	220311.9922	578846.0266	316.0000	3.16	0.70	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,639	A061	220411.9922	578846.0266	168.0000	1.68	0.22	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,640	A062	220511.9922	578846.0266	145.0000	1.45	0.15	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,641	A063	220611.9922	578846.0266	60.0000	0.60	1.93	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,642	A064	220711.9922	578846.0266	48.0000	0.48	1.76	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,643	A065	220811.9922	578846.0266	29.0000	0.29	2.05	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,644	A066	220911.9922	578846.0266	217.0000	2.17	0.49	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,645	A067	221011.9922	578846.0266	86.0000	0.86	2.54	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,646	P2_A001	219512.2431	578790.8889	45.0000	0.45	4.76	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,647	P2_A003	219506.0821	578783.0111	63.0000	0.63	4.74	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,648	P2_A004	219473.4857	578822.4779	42.0000	0.42	4.17	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,649	P2_A006	219467.3247	578814.6001	20.0000	0.20	4.25	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,650	P2_T045	219498.0000	578833.0000	8.0000	0.08	2.12	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,651	P2_T047	219498.0000	578813.0000	5.0000	0.05	3.90	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,652	P2_T048	219498.0000	578803.0000	54.0000	0.54	4.74	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,653	P2_T049	219498.0000	578793.0000	47.0000	0.47	4.74	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,654	P2_T050	219498.0000	578783.0000	57.0000	0.57	4.70	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,655	P2_T051	219498.0000	578773.0000	53.0000	0.53	3.96	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,656	A045	220111.9922	578746.0266	346.0000	3.46	3.54	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,657	A046	220211.9922	578746.0266	393.0000	3.93	0.71	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,658	A047a	220322.0000	578741.0000	390.0000	3.90	0.14	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,659	A048	220411.9922	578746.0266	93.0000	0.93	0.21	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,660	A049	220511.9922	578746.0266	89.0000	0.89	0.13	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,661	A050	220611.9922	578746.0266	17.0000	0.17	1.79	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,662	A051	220711.9922	578746.0266	62.0000	0.62	1.57	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,663	A052	220811.9922	578746.0266	180.0000	1.80	1.79	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,664	A053	220911.9922	578746.0266	192.0000	1.92	2.49	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,665	A054	221011.9922	578746.0266	170.0000	1.70	2.55	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,666	A036	220111.9922	578646.0266	659.0000	6.59	1.29	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,667	A037	220211.9922	578646.0266	408.0000	4.08	0.14	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,668	A038	220311.9922	578646.0266	327.0000	3.27	0.10	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,669	A039	220411.9922	578646.0266	153.0000	1.53	0.73	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,670	A040	220511.9922	578646.0266	126.0000	1.26	1.46	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,671	A041	220611.9922	578646.0266	147.0000	1.47	1.66	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,672	A043	220811.9922	578646.0266	300.0000	3.00	1.64	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,673	A044	220911.9922	578646.0266	172.0000	1.72	2.20	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,674	A028	220211.9922	578546.0266	461.0000	4.61	0.41	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,675	A029	220311.9922	578546.0266	440.0000	4.40	0.75	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,676	A030	220411.9922	578546.0266	292.0000	2.92	1.45	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,677	A031	220511.9922	578546.0266	160.0000	1.60	1.44	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,678	A032	220611.9922	578546.0266	84.0000	0.84	1.48	1	Sand or Gravel	Thin Peat	2	1	2	Negligible

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,679	A033	220711.9922	578546.0266	373.0000	3.73	1.55	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,680	A034	220811.9922	578546.0266	218.0000	2.18	1.83	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,681	A035	220911.9922	578546.0266	298.0000	2.98	3.11	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,682	A042a	220708.0000	578596.0000	58.0000	0.58	1.63	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,683	A020	220211.9922	578446.0266	500.0000	5.00	0.71	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,684	A021	220311.9922	578446.0266	504.0000	5.04	0.70	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,685	A022	220411.9922	578446.0266	248.0000	2.48	0.98	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,686	A023	220511.9922	578446.0266	347.0000	3.47	0.83	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,687	A024	220611.9922	578446.0266	427.0000	4.27	0.71	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,688	A025	220711.9922	578446.0266	307.0000	3.07	1.44	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,689	A026	220811.9922	578446.0266	387.0000	3.87	2.04	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,690	A027	220911.9922	578446.0266	74.0000	0.74	3.57	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,691	A014	220311.9922	578346.0266	572.0000	5.72	1.10	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,692	A015	220411.9922	578346.0266	601.0000	6.01	0.79	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,693	A016	220511.9922	578346.0266	309.0000	3.09	1.72	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,694	A017	220611.9922	578346.0266	363.0000	3.63	1.42	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,695	A018	220711.9922	578346.0266	332.0000	3.32	1.45	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,696	A019	220811.9922	578346.0266	317.0000	3.17	1.81	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,697	A009	220311.9922	578246.0266	609.0000	6.09	1.21	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,698	A010	220411.9922	578246.0266	588.0000	5.88	0.71	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,699	A011	220511.9922	578246.0266	98.0000	0.98	0.28	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,700	A012	220611.9922	578246.0266	59.0000	0.59	4.90	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,701	A013	220711.9922	578246.0266	392.0000	3.92	2.73	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,702	A004	220311.9922	578146.0266	474.0000	4.74	2.69	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,703	A005	220411.9922	578146.0266	59.0000	0.59	4.52	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,704	A006	220511.9922	578146.0266	70.0000	0.70	2.44	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,705	A007	220611.9922	578146.0266	73.0000	0.73	4.40	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,706	A008	220711.9922	578146.0266	278.0000	2.78	1.63	1	Sand or Gravel	Thick Peat	3	1	3	Negligible
1,707	A001	220411.9922	578046.0266	57.0000	0.57	2.09	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,708	A002	220511.9922	578046.0266	53.0000	0.53	5.47	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,709	A003	220611.9922	578046.0266	279.0000	2.79	3.47	2	Sand or Gravel	Thick Peat	3	1	6	Low
1,710	P2_B001	226596.9309	577611.5275	0.0000	0.00	3.28	2	Sand or Gravel	No Peat	0	1	0	Negligible
1,711	P2_B002	226606.9309	577611.5275	0.0000	0.00	3.87	2	Sand or Gravel	No Peat	0	1	0	Negligible
1,712	P2_B003	226616.9309	577611.5275	0.0000	0.00	3.88	2	Sand or Gravel	No Peat	0	1	0	Negligible
1,713	P2_B004	226626.9309	577611.5275	48.0000	0.48	7.53	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,714	P2_B005	226636.9309	577611.5275	45.0000	0.45	8.49	6	Sand or Gravel	Peaty soil	1	1	6	Low
1,715	P2_B006	226646.9309	577611.5275	51.0000	0.51	10.35	6	Sand or Gravel	Thin Peat	2	1	12	Low
1,716	P2_B007	226656.9309	577611.5275	44.0000	0.44	9.91	6	Sand or Gravel	Peaty soil	1	1	6	Low
1,717	P2_B009	226564.0000	577571.0000	65.0000	0.65	5.02	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,718	P2_B010	226556.9309	577571.5275	62.0000	0.62	5.04	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,719	P2_B011	226616.0000	577579.0000	42.0000	0.42	3.75	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,720	P2_B012	226621.0000	577575.0000	43.0000	0.43	3.81	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,721	P2_B013	226632.0000	577570.0000	38.0000	0.38	4.93	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,722	P2_B014	226647.0000	577565.0000	25.0000	0.25	6.05	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,723	P2_B015	226526.9309	577611.5275	33.0000	0.33	17.67	8	Sand or Gravel	Peaty soil	1	1	8	Low
1,724	P2_B016	226516.9309	577611.5275	36.0000	0.36	8.04	6	Sand or Gravel	Peaty soil	1	1	6	Low
1,725	P2_B017	226506.9309	577611.5275	15.0000	0.15	7.35	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,726	P2_B018	226496.9309	577611.5275	23.0000	0.23	7.36	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,727	P2_B019	226486.9309	577611.5275	18.0000	0.18	7.28	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,728	P2_B020	226476.9309	577611.5275	16.0000	0.16	7.26	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,729	P2_B021	226466.9309	577611.5275	26.0000	0.26	7.26	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,730	P2_B022	226456.9309	577611.5275	23.0000	0.23	6.53	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,731	P2_B051	224593.3218	577009.2502	33.0000	0.33	6.20	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,732	P2_B053	224593.3218	577019.2502	41.0000	0.41	3.26	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,733	P2_B054	224593.3218	577029.2502	35.0000	0.35	3.24	2	Sand or Gravel	Peaty soil	1	1	2	Negligible
1,734	P2_B023	224593.3218	576969.2502	53.0000	0.53	6.73	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,735	P2_B024	224593.3218	576979.2502	37.0000	0.37	6.84	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,736	P2_B025	224603.3218	576969.2502	31.0000	0.31	5.79	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,737	P2_B026	224613.3218	576969.2502	38.0000	0.38	5.41	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,738	P2_B027	224623.3218	576969.2502	41.0000	0.41	4.90	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,739	P2_B028	224633.3218	576969.2502	62.0000	0.62	4.61	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,740	P2_B029	224643.3218	576969.2502	52.0000	0.52	4.54	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,741	P2_B030	224653.3218	576969.2502	54.0000	0.54	4.36	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,742	P2_B031	224663.3218	576969.2502	79.0000	0.79	4.20	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,743	P2_B032	224673.3218	576969.2502	54.0000	0.54	4.12	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,744	P2_B033	224683.3218	576969.2502	10.0000	0.10	4.12	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,745	P2_B034	224593.3218	576989.2502	47.0000	0.47	10.88	6	Sand or Gravel	Peaty soil	1	1	6	Low
1,746	P2_B035	224593.3218	576959.2502	55.0000	0.55	6.09	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,747	P2_B036	224593.3218	576949.2502	58.0000	0.58	5.01	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,748	P2_B037	224593.3218	576939.2502	71.0000	0.71	1.99	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,749	P2_B038	224593.3218	576929.2502	68.0000	0.68	1.88	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,750	P2_B041	224593.3218	576999.2502	28.0000	0.28	12.24	8	Sand or Gravel	Peaty soil	1	1	8	Low
1,751	P2_B042	224583.3218	576969.2502	82.0000	0.82	6.78	4	Sand or Gravel	Thin Peat	2	1	8	Low

ID	POSITION	E	N	PEAT DEPTH cm	PEAT DEPTH m	SLOPE	Slope Coefficient	SUBSTRATE	PEAT TYPE	Peat Coefficient	Substrate Coefficient	Risk Coefficient	POTENTIAL INSTABILITY
1,752	P2_B043	224573.3218	576969.2502	59.0000	0.59	6.80	4	Sand or Gravel	Thin Peat	2	1	8	Low
1,753	P2_B044	224563.3218	576969.2502	47.0000	0.47	6.74	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,754	P2_B045	224553.3218	576969.2502	25.0000	0.25	6.83	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,755	P2_B046	224543.3218	576969.2502	44.0000	0.44	6.95	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,756	P2_B047	224533.3218	576969.2502	47.0000	0.47	7.21	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,757	P2_B048	224523.3218	576969.2502	38.0000	0.38	5.98	4	Sand or Gravel	Peaty soil	1	1	4	Negligible
1,758	P2_B049	224513.3218	576969.2502	71.0000	0.71	2.95	2	Sand or Gravel	Thin Peat	2	1	4	Negligible
1,759	P2_B050	224503.3218	576969.2502	63.0000	0.63	1.37	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,760	P2_B052	224493.3218	576969.2502	29.0000	0.29	0.99	1	Sand or Gravel	Peaty soil	1	1	1	Negligible
1,761	P2_B039	224593.3218	576919.2502	82.0000	0.82	1.51	1	Sand or Gravel	Thin Peat	2	1	2	Negligible
1,762	P2_B040	224593.3218	576909.2502	118.0000	1.18	1.06	1	Sand or Gravel	Thin Peat	2	1	2	Negligible

EUROPEAN OFFICES

United Kingdom

AYLESBURY
T: +44 (0)1844 337380

BELFAST
T: +44 (0)28 9073 2493

BRADFORD-ON-AVON
T: +44 (0)1225 309400

BRISTOL
T: +44 (0)117 906 4280

CAMBRIDGE
T: + 44 (0)1223 813805

CARDIFF
T: +44 (0)29 2049 1010

CHELMSFORD
T: +44 (0)1245 392170

EDINBURGH
T: +44 (0)131 335 6830

EXETER
T: + 44 (0)1392 490152

GLASGOW
T: +44 (0)141 353 5037

GUILDFORD
T: +44 (0)1483 889800

LEEDS
T: +44 (0)113 258 0650

LONDON
T: +44 (0)203 805 6418

MAIDSTONE
T: +44 (0)1622 609242

MANCHESTER
T: +44 (0)161 872 7564

NEWCASTLE UPON TYNE
T: +44 (0)191 261 1966

NOTTINGHAM
T: +44 (0)115 964 7280

SHEFFIELD
T: +44 (0)114 245 5153

SHREWSBURY
T: +44 (0)1743 23 9250

STIRLING
T: +44 (0)1786 239900

WORCESTER
T: +44 (0)1905 751310

Ireland

DUBLIN
T: + 353 (0)1 296 4667

France

GRENOBLE
T: +33 (0)6 23 37 14 14