

**Tom na Clach Wind Farm Extension
Appendix 13.B: Peat Depth Survey Report**

**for
Nan Clach Extension Limited**



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Tom na Clach Wind Farm Extension
Appendix 13.B: Peat Depth Survey Report
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Table of Contents

1	Introduction	1
2	Depth of Penetration Surveys	1
3	Methodology	2
	3.1 Limitations	3
4	Results	4
	4.1 Depth of Penetration Probing	4
	4.2 Coring	5
5	Summary	6

Appendices

Annex I	Example Photographs of Typical Ground Conditions
Annex II	Penetration Probing Data
Annex III	Coring Data – Peat Data and Von Post Measurements
Annex IV	Peat Coring Logs

1 Introduction

Fluid Environmental Consulting Ltd (Fluid) were commissioned by Nan Clach Extension Limited, the Applicant, into complete depth of penetration probing and coring at the site of the proposed Tom na Clach Wind Farm Extension, located about 20km southeast of Inverness, Scotland.

The Tom na Clach wind farm extension comprises seven turbines, a substation (extension of existing consented Tom na Clach wind farm substation), a construction compound, a borrow pit and associated access tracks. The existing access tracks for the Tom na Clach windfarm are used to access the proposed site.

The peat survey includes a 100m grid across the site application area and a more intensive investigation into the proposed locations of the infrastructure, with the exclusion of the main access track from the B9007 public road which is already utilised by the operational Tom na Clach Wind Farm.

The existing access tracks will be joined by 1.5km of new floated tracks and 2.5km of new excavated tracks, 7 wind turbine locations and associated crane hardstandings, a construction compound, a substation and a borrow pit. The total area of the Proposed Development footprint final layout is 123,378m², which includes existing excavated tracks that will be widened, an additional area of 17,150m² is also considered as this is the area on peat outside of the infrastructure footprint that would either be excavated or covered by hardcore to build the infrastructure or for associated drains.

This document presents the methodologies and guidance associated with the various phases of this survey, the data obtained and calculations of peat volumes required to be excavated based on the Proposed Development Layout.

2 Depth of Penetration Surveys

Four depth of penetration surveys, considered to be equivalent to peat depth, have been completed in 2020 and 2021. These were undertaken in accordance with the guidance in Scottish Government, Scottish Natural Heritage, SEPA (2017) Peatland Survey, Guidance on Developments on Peatland.

Phase 1

A first phase of peat depth probing was undertaken in November 2020 and comprised a 100 m grid across the part of the site that was considered for development. A total of 202 peat probes were undertaken and 10 cores. These data were used as an input to the constraints map for development of the initial infrastructure layout.

Phase 2

Once an initial layout was determined Fluid completed detailed probing and coring over three separate campaigns in June 2021 (2,823 probes and 9 cores), August 2021 (243 probes) and October 2021 (465 probes) at the following specification:

- Depth of penetration probing:
 - at 50 m intervals with 10 m offset probes along all proposed and existing access tracks;
 - at all 7 turbine bases and hardstanding areas on a 10 m grid, along with probing in the 50 m micro-siting area on a 20 m grid;
 - at the construction compound and the substation on a 10 m grid; and
 - at the borrow pit search area on a 10m grid.
- Cores at randomised infrastructure locations.

The surveys included completion of the following:

- Record the depth of penetration at each probing location along with an estimate of the geology at the limit of penetration;
- Collect data from cores on total peat depth, Von Post measurements every metre, the thickness of the acrotelm, catotelm and amorphous peat (if present), the underlying geology and comments on water table if possible;
- Take a photographic record of all cores;
- Present all data in tables with appropriate labelling of locations according to the specification document;
- Provide a peat depth contour plan across the area of probing and coring; and
- Provide a factual report detailing the work completed and the data collected.

The data collected from both phases of site investigation are presented in detail in the attached appendices.

A gps linked photographic record of peat locations and other peat features was taken and provides a detailed record across the site. Typical peat equipment and characteristics are presented in Annex I.

A record of the data collected at all 3,733 probe locations is presented in Annex II.

The data collected from each of the 19 cores is presented in Annex III.

A photographic record and log of the peat for each core is presented in Annex IV.

3 Methodology

The project commenced with liaison between Fluid and the Client and an exchange of information including the site layout, mapping information, shapefiles, specification of works, information on access contacts and other conditions relating to the site. Fluid reviewed all available information and produced a map with the probing and coring locations marked. Fluid also completed a Risk Assessment and Health and Safety plan for the field work campaign.

Peat probing, coring and sampling was undertaken in accordance with the locations and frequencies outlined above and legislative guidelines. This task included field data collection and data management.

An extendable fibre glass peat probe of up to 7m length was used by Fluid field technicians to obtain the depth of penetration data. It is pushed into the ground until there is sufficient resistance to prevent further penetration and the depth recorded as the depth of penetration. A description of the resistant substrate below is made based on the feel of the resistance (grit, bedrock, clay, sand, rock or resistance where unable to differentiate).

This probe provides the depth of penetration in soft formations and if peat is present is often representative of the actual peat depth when the formation underlying the peat is sands and gravels or bedrock. However, the depth of penetration can be an overestimate of the depth of peat where the substrate below is soft and penetrable, such as soft clay or silt. In some cases, peat may not be present and the whole of the probe penetrates through silt or clay sediments. Coring is therefore necessary to verify some of the probe results by extracting a core of the deposits for examination.

A series of cores have therefore been obtained using a gouge auger to determine the actual depth of the peat and obtain a sample of the underlying formation. Observations on the soil and peat characteristics were determined from the cores using recognised criteria (Von Post assessment). The acrotelm, catotelm and amorphous layers (if present) within the peat have also been identified within the peat where possible. Observations on underlying geology, nearby water features, ground conditions and habitat were also noted.

The probes and gouge auger used at the site are of the types shown in Photo 1, Annex I.

The data obtained from the current site investigation was verified with the coring data and is presented in Figure 13.9 of the EIA report. The depths were then contoured within ArcGIS to produce a contour plot of probe penetration (Figure 13.10 of the EIA report).

In addition to the data collected by Fluid a further 799 survey points from previous surveys are located within the site boundary. These were also used to generate a peat depth map across the site and are shown in Figure 13.9 of the EIA report.

A shaded contour interval of 0-0.5m, >0.5m-1m, >1m – 1.5m, >1.5m – 2m, >2m – 3m, >3m – 4m, >4m – 5m, >5m has been used on the figures as the deepest probe encountered 5.6m of peat.

Probe locations were located and recorded using a handheld global position system (GPS) device, with Birdseye aerial imagery, to a six-figure grid reference (to 1m) and georeferenced photographic records were obtained for all cores.

3.1 Limitations

As with any sampling, this study has extrapolated data to be representative of the whole. This may mean that localised variations in peat depth and characteristics were not captured, where they fell within the gaps of the 100m or 10m sampling grids.

4 Results

4.1 Depth of Penetration Probing

A total of 3,733 probes were undertaken across the site with each probe recording the depth of penetration and the potential substrate at the limit of penetration (Annex II).

Of the 3,733 locations probed a total of 1,713 probes (45.9%) recorded depths of 0.5m or less (no peat) and as shown in Table 1.

Table 1 Depth of Penetration Distribution

Depth Range (m)	Number of Probes	Percentage of Probes
0 to 0.5 (no peat)	1,713	45.9%
>0.5 – 1.0	893	23.9%
>1.0 – 1.5	399	10.7%
>1.5 – 2.0	371	9.94%
>2.0 – 3.0	173	4.63%
>3.0 – 4.0	111	2.97%
>4.0 – 5.0	63	1.69%
>5.0	8	0.21%
Total	3,733	100%

The depth of penetration at each probe location is presented on Figure 13.9 of the EIA report.

The probes recorded substrate information based on feel as the probe made contact with the formation underlying the peat as follows:

Table 2 - Substrate across all probe locations

Substrate	Number of Probes	Percentage of Probes
Grit	1385	37.10%
Rock	1214	32.52%
Silt	642	17.20%
Gritty Silt	323	8.65%
Sand	85	2.28%
Gritty sand	31	0.83%
Sandy grit	24	0.64%
Sandy silt	15	0.40%
Silty grit	5	0.13%
Clay	4	0.11%

Substrate	Number of Probes	Percentage of Probes
Silty clay	2	0.05%
Gritty clay	1	0.03%
Resistance	1	0.03%
Silty sand	1	0.03%
Total	3,733	100%

Based on the data collected an interpreted peat depth map (Figure 13.10 of the EIA report) was produced to demonstrate the variation in peat across the site and at the various infrastructure locations. A comparison of the peat depth with the site infrastructure footprint is presented in Table 3.

Table 3 Peat Depth Distribution across Infrastructure Footprint

Depth Range (m)	Area of Infrastructure Footprint (m ³)	Area of Infrastructure Footprint (%)
0 to 0.5 (no peat)	59,846	48.5%
>0.5 – 1.0	25,184	20.4%
>1.0 – 1.5	16,191	13.1%
>1.5 – 2.0	11,485	9.31%
>2.0 – 2.5	7,418	6.01%
>2.5 – 3.0	2,605	2.11%
>3.0 – 3.5	618	0.50%
>3.5+	31	0.03%
Total	123,378	100%

Note: area of infrastructure footprint does not include the existing access tracks constructed for the operational Tom na Clach wind farm that are used to access the extension. The area is purely the shapefile footprint and does not include side slopes, drains or other adjacent disturbance associated with the works, although these are included in the peat excavation calculations in Annex 13.C Outline Peat Management Plan.

4.2 Coring

A total of 19 locations have been cored and the data collected included Von Post test results, acrotelm and catotelm thickness, observations on the peat structure and any observations on water features nearby as presented in Annex III.

Comparison of the probe depth of penetration and the peat depth verified from the core is also presented in Annex III and full logs of each core including photographic record are presented in Annex IV.

Of the 19 locations cored, a total of 13 identified peat greater than 0.5 m depth (this indicates a slight bias toward coring at locations where there was peat which is reasonable as part of the purpose of the coring is for peat depth verification purposes).

Comparison of the coring to the depth of penetration probes demonstrated that all the probe depths were the same (within 0.1 m) as the core verified depth of peat - these are spread across a variety of depths:

- 6 at 0 m – 0.5 m;
- 9 at >0.5 m – 1.0 m;
- 2 at >1.0 m – 1.5 m;
- 1 at >1.5 m – 2.0 m; and
- 1 at >2.0 m – 2.5 m.

The cores identified a distinctive acrotelm layer in 17 of the cores that averaged 0.11m in thickness and ranged between 0.06m and 0.20m. The catotelm thickness ranged from 0.15m to 2.10m in depth.

Based on the data collected an interpreted peat depth map (Figure 2) was produced to demonstrate the variation in peat across the survey area.

Amorphous peat was identified at site in one location in an area that had previously been excavated and then restored. Probing in the surrounding area indicated uneven distribution of peat that is mixed with grit, silt and rocks. While the core obtained contained mainly peat, it was not deposited naturally and is not representative for the general site.

5 Summary

The following summarises the results of the peat survey campaign and subsequent peat depth contouring and excavated volume calculations:

- The coring results have verified the depth of penetration probing to be representative of peat depth.
- The data collected has been used to produce an interpreted maximum depth of peat contour map using ArcGIS.
- Peat has been determined to be present up to a depth of 5.6m based on 3,733 depth of penetration probes and 19 cores.
- Amorphous peat was identified at site in an area that was previously restored and is therefore not representative of the site conditions.
- The acrotelm is on average 0.11 m thick.
- The mapping indicates that the site has variable peat depths with widespread areas of deeper peat, some areas of shallow peat and areas where there is an absence. About 23% of the site has no peat and 47.4% of the site has deep peat.

- The various iterations of the Proposed Development layout design have allowed areas of deeper peat to be avoided where possible (refer to Chapter 2).
- There is no peat (0 – 0.5 m depth) at 48.5% of the infrastructure footprint and deep peat (>1 m depth) is present across 31% of the footprint.

Appendices

Annex I - Example Photographs of Typical Ground Conditions



Photo 1 Example of a peat core showing a distinct layer of acrotelm.



Photo 2 Example of core and detail of general vegetation.



Photo 3 Example of ground conditions on site.



Photo 4 Example of ground conditions on site.



Photo 5 Example of ground conditions on site.

Annex II

PROBING DATA	
SITE:	Tom na Clach Wind farm
CLIENT:	Infinergy
SURVEY DATES:	4 - 5/11/2020, 6 - 11/6/2021, 16/6/2021, 3 - 6/8/2021, 18/8/2021 and 27 - 29/10/2021

Annex III

CORING DATA – PEAT DATA AND VON POST MEASUREMENTS	
SITE:	Tom na Clach Wind farm
CLIENT:	Infinergy
SURVEY DATES:	4 - 5/11/2020, 6 - 11/6/2021, 16/6/2021, 3 - 6/8/2021, 18/8/2021 and 27 - 29/10/2021

Ref ID	Easting	Northing	Peat Probe Depth (m)	Depth with Auger (m)	Peat depths and characteristics			Von Post H scores				Von Post B scores			
					Actual Peat Depth (m)	Acrotelm Thickness (m)	Catotelm Thickness (m)	Acrotelm Von Post	Catotelm Von Post 0-1m	Catotelm Von Post 1-2m	Catotelm Von Post 2-3m	Acrotelm Von Post	Catotelm Von Post 0-1m	Catotelm Von Post 1-2m	Catotelm Von Post 2-3m
Pr_40	286050	834050	1.00	1.00	1.00	0.12	0.78	H4	H7			B3	B3		
Pr_102	287550	834350	0.65	0.67	0.65	0.07	0.58	H3	H7			B4	B3		
Pr_103	287750	834350	0.55	0.55	0.55	0.10	0.45	H2	H6			B4	B3		
Pr_105	287650	834450	1.10	1.10	1.10	0.10	1.00	H3	H6			B3	B3		
Pr_109	287150	835150	1.35	1.35	1.35	0.10	1.25	H5	H6	H7		B3	B3	B3	
Pr_110	287550	835250	0.35	0.35	0.35	0.06	0.29	H2	H6			B3	B3		
Pr_115	287650	835650	0.80	0.80	0.80	0.10	0.70	H2	H6			B3	B3		
Pr_116	286550	834250	1.00	1.00	1.00	0.08	0.92	H4	H8			B3	B3		
Pr_118	287350	834050	1.00	1.00	1.00	0.06	0.94	H4	H7			B3	B3		
Pr_201	287550	834850	0.70	0.70	0.70	0.08	0.62	H3	H5			B3	B3		
Core_1	285848	834194	2.30	2.30	2.30	0.20	2.10	H2	H6	H7	H8	B3	B4	B4	B3
Core_13	287241	834829	0.90	0.90	0.90	0.00	0.90		H8				B3		
Core_14	287297	834835	0.25	0.35	0.25	0.10	0.15	H2	H7			B2	B3		
Core_15	287526	835273	0.60	0.60	0.60	0.15	0.45	H3	H5			B3	B3		
Core_16	287580	835258	0.40	0.45	0.40	0.10	0.30	H3	H8			B3	B3		
Core_17	287295	835403	0.40	0.45	0.40	0.20	0.20	H2	H6			B3	B3		
Core_18	287256	835444	0.50	0.50	0.50	0.15	0.35	H3	H8			B3	B3		
Core_19	287222	834965	2.00	2.30	2.10	0.00	2.10		H8	H9	H9		B3	B3	B3
Core_2	289596	835774	0.30	0.30	0.30	0.15	0.15	H2	H7			B3	B3		

Ref ID	Easting	Northing	Peat Probe Depth (m)	Depth with Auger (m)	Peat depths and characteristics			Comments on Core	Comments on Location
					Actual Peat Depth (m)	Acrotelm Thickness (m)	Catotelm Thickness (m)		
Pr_40	286050	834050	1.00	1.00	1.00	0.12	0.78	Rock at 1.00 m	Open Moor, gentle slope
Pr_102	287550	834350	0.65	0.67	0.65	0.07	0.58	Thin layer of gritty sand on top of rock at 0.67m	Open Moor, moderate slope
Pr_103	287750	834350	0.55	0.55	0.55	0.10	0.45	Rock at 0.55 m	Open Moor, gentle slope
Pr_105	287650	834450	1.10	1.10	1.10	0.10	1.00	Rock at 1.10 m	Open Moor, moderate slope
Pr_109	287150	835150	1.35	1.35	1.35	0.10	1.25	Grit at 1.35 m	Open Moor, moderate slope
Pr_110	287550	835250	0.35	0.35	0.35	0.06	0.29	Grit at 0.35 m	Open Moor, gentle slope
Pr_115	287650	835650	0.80	0.80	0.80	0.10	0.70	Rock at 0.8m	Open Moor, gentle slope
Pr_116	286550	834250	1.00	1.00	1.00	0.08	0.92	Rock at 1.0m	Open Moor, gentle slope
Pr_118	287350	834050	1.00	1.00	1.00	0.06	0.94	Rock at 1.0m	Open Moor, moderate slope
Pr_201	287550	834850	0.70	0.70	0.70	0.08	0.62	Grit at 0.7m	Open Moor, moderate slope
Core_1	285848	834194	2.30	2.30	2.30	0.20	2.10	Rock at 2.30m	Open moor, fairly flat
Core_13	287241	834829	0.90	0.90	0.90	0.00	0.90	Rock at 0.90m	Disturbed ground, moderate slope
Core_14	287297	834835	0.25	0.35	0.25	0.10	0.15	Sand at 0.25m	Open moor, moderate slope
Core_15	287526	835273	0.60	0.60	0.60	0.15	0.45	Rock at 0.60m	Open moor, gentle slope
Core_16	287580	835258	0.40	0.45	0.40	0.10	0.30	Sandy grit at 0.40m	Open moor, gentle slope
Core_17	287295	835403	0.40	0.45	0.40	0.20	0.20	Silt at 0.40m	Open moor, gentle slope
Core_18	287256	835444	0.50	0.50	0.50	0.15	0.35	Thin layer of silt on top of rock at 0.50m	Open moor, gentle slope
Core_19	287222	834965	2.00	2.30	2.10	0.00	2.10	Sand at 2.1m	Disturbed ground, moderate slope
Core_2	289596	835774	0.30	0.30	0.30	0.15	0.15	Rock at 0.30m	Open moor, moderate slope

Ref ID	Peat Probe Depth	Fine Fibre (F0 = nil, F1 = low content, F2 = moderate content, F3 = high content)				Coarse fibre (R0 = nil, R1 = low content, R2 = moderate content, R3 = high content)				Wood remains (W0= nil, W1 = low content, W2 = moderate content, W3 = high content)			
		Acrotelm	0-1m	1-2m	2-3m	Acrotelm	0-1m	1-2m	2-3m	Acrotelm	0-1m	1-2m	2-3m
Pr_40	1.00	F2	F2			R2	R0						
Pr_102	0.65	F2	F1			R2	R1						
Pr_103	0.55	F2	F2			R1	R1						
Pr_105	1.10	F2	F1			R2	R1						
Pr_109	1.35	F2	F1	F1		R1	R1	R1					
Pr_110	0.35	F1	F1			R1	R0						
Pr_115	0.80	F2	F2			R2	R1						
Pr_116	1.00	F2	F1			R1	R0						
Pr_118	1.00	F1	F1			R1	R1						
Pr_201	0.70	F2	F2			R2	R1						
Core_1	2.30	F2	F2	F2	F1	R0	R0	R0	R0	W0	W0	W0	W0
Core_13	0.90		F1				R0				W0		
Core_14	0.25	F2	F1			R0	R1			W0	W0		
Core_15	0.60	F2	F2			R2	R1			W0	W0		
Core_16	0.40	F2	F0			R1	R1			W0	W0		
Core_17	0.40	F3	F1			R2	R1			W0	W0		
Core_18	0.50	F2	F1			R1	R0			W0	W0		
Core_19	2.00		F1	F0	F0		R0	R0	R0		W0	W0	W0
Core_2	0.30	F3	F1			R1	R1			W0	W0		




Annex IV

CORING LOGS	
SITE:	Tom na Clach Wind Farm
CLIENT:	Infinergy
SURVEY DATES:	4 - 5/11/2020, 6 - 11/6/2021, 16/6/2021, 3 - 6/8/2021, 18/8/2021 and 27 - 29/10/2021

Coring logs

Site	Tom na Clach	Easting	286050
Client	Infinergy	Northing	834050
Survey Dates	4 - 5/11/2020	Probe Depth (m)	1.00
Core Number	PR_40	Auger Depth (m)	1.00
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.12	0.12	H4	B3	at 0.08 m
	Catotelm	1.00	0.78	H7	B3	at 0.80 m
Rock at 1.00 m						

Notes:

Open Moor, gentle slope

Coring logs

Site	Tom na Clach	Easting	287550
Client	Infinergy	Northing	834350
Survey Dates	4 - 5/11/2020	Probe Depth (m)	0.65
Core Number	PR_102	Auger Depth (m)	0.67
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.07	0.07	H3	B4	at 0.05 m
	Catotelm	0.65	0.58	H7	B3	at 0.50 m
Thin layer of gritty sand on top of rock at 0.67m						




Notes:

Open Moor, moderate slope

Coring logs

Site	Tom na Clach	Easting	287750
Client	Infinergy	Northing	834350
Survey Dates	4 - 5/11/2020	Probe Depth (m)	0.55
Core Number	PR_103	Auger Depth (m)	0.55
Page	1 of 1		


	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.10	0.10	H2	B4	at 0.06 m
	Catotelm	0.55	0.45	H6	B3	at 0.40 m
	Rock at 0.55 m					

Notes:

Open Moor, gentle slope

Coring logs

Site	Tom na Clach	Easting	287650
Client	Infinergy	Northing	834450
Survey Dates	4 - 5/11/2020	Probe Depth (m)	1.10
Core Number	PR_105	Auger Depth (m)	1.10
Page	1 of 1		


	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.10	0.10	H3	B3	at 0.07 m
	Catotelm	1.10	1	H6	B3	at 0.80 m
	Rock at 1.10 m					

Notes:

Open Moor, moderate slope

Coring logs

Site	Tom na Clach	Easting	287150
Client	Infinergy	Northing	835150
Survey Dates	4 - 5/11/2020	Probe Depth (m)	1.35
Core Number	PR_109	Auger Depth (m)	1.35
Page	1 of 1		


		Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.10	0.10	H5	B3	at 0.07m	
	Catotelm	1.35	1.25	H6	B3	at 0.70	
				H7	B3	at 1.15m	
	Grit at 1.35 m						

Notes:

Open Moor, moderate slope

Coring logs


Site	Tom na Clach	Easting	287550
Client	Infinergy	Northing	835250
Survey Dates	4 - 5/11/2020	Probe Depth (m)	0.35
Core Number	PR_110	Auger Depth (m)	0.35
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.06	0.06	H2	B3	at 0.04 m
	Catotelm	0.35	0.29	H6	B3	at 0.25 m
	Grit at 0.35 m					

Notes:	
Open Moor, gentle slope	

Coring logs

Site	Tom na Clach	Easting	287650
Client	Infinergy	Northing	835650
Survey Dates	4 - 5/11/2020	Probe Depth (m)	0.80
Core Number	PR_115	Auger Depth (m)	0.80
Page	1 of 1		


	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.10	0.10	H2	B3	at 0.07m
	Catotelm	0.80	0.70	H6	B3	at 0.60m
Rock at 0.8m						

Notes:

Open Moor, gentle slope

Coring logs

Site	Tom na Clach	Easting	286550
Client	Infinergy	Northing	834250
Survey Dates	4 - 5/11/2020	Probe Depth (m)	1.00
Core Number	PR_116	Auger Depth (m)	1.00
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.08	0.08	H4	B3	at 0.05m
	Catotelm	1.00	0.92	H8	B3	at 0.70m
	Rock at 1.0m					

Notes:	
Open Moor, gentle slope	

Coring logs

Site	Tom na Clach	Easting	287350
Client	Infinergy	Northing	834050
Survey Dates	4 - 5/11/2020	Probe Depth (m)	1.00
Core Number	PR_118	Auger Depth (m)	1.00
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.06	0.06	H4	B3	at 0.04m
	Catotelm	1.00	0.94	H7	B3	at 0.70m
Rock at 1.0m						




Notes:

Open Moor, moderate slope

Coring logs

Site	Tom na Clach	Easting	287550
Client	Infinergy	Northing	834850
Survey Dates	4 - 5/11/2020	Probe Depth (m)	0.70
Core Number	PR_201	Auger Depth (m)	0.70
Page	1 of 1		


	Formation	Depth (m)	Thickness (m)	Von Post		
	Acrotelm	0.08	0.08	H3	B3	at 0.05m
	Catotelm	0.70	0.62	H5	B3	at 0.50m
	Grit at 0.7m					

Notes:

Open Moor, moderate slope

Coring logs

Site	Tom na Clach	Easting	285848
Client	Infinergy	Northing	834194
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	2.30
Core Number	Core_1	Auger Depth (m)	2.30
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post
	Acrotelm	0.20	0.20	H2 B3
	Catotelm	2.30	2.10	H6 B4 at 0.80m



Notes:

Open moor, fairly flat

Site	Tom na Clach	Easting	285848
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Coring logs

Client	Infinergy	Northing	834194
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	2.30
Core Number	Core_1	Auger Depth (m)	2.30
Page	2 of 2		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Catotelm	2.30	2.10	H7	B4	at 1.80m
				H8	B3	at 2.20m
	Rock at 2.30m					

Coring logs

Site	Tom na Clach	Easting	287241
Client	Infinergy	Northing	834829
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	0.90
Core Number	Core_13	Auger Depth (m)	0.90
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Catotelm	0.90	0.90	H8	B3	at 0.80m
	Rock at 0.90m					

Notes:

Disturbed ground, moderate slope

Coring logs

Site	Tom na Clach	Easting	287297
Client	Infinergy	Northing	834835
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	0.25
Core Number	Core_14	Auger Depth (m)	0.35
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post
	Acrotelm	0.10	0.10	H2 B3
	Catotelm	0.25	0.15	H7 B3 at 0.20m
Sand at 0.25m				




Notes:

Open moor, moderate slope

Coring logs


Site	Tom na Clach	Easting	287526
Client	Infinergy	Northing	835273
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	0.60
Core Number	Core_15	Auger Depth (m)	0.60
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post
	Acrotelm	0.15	0.15	H3 B3
	Catotelm	0.60	0.45	H5 B3 at 0.50m
Rock at 0.60m				

Notes:	
Open moor, gentle slope	

Coring logs

Site	Tom na Clach	Easting	287580
Client	Infinergy	Northing	835258
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	0.40
Core Number	Core_16	Auger Depth (m)	0.45
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post
	Acrotelm	0.10	0.10	H3 B3
	Catotelm	0.40	0.30	H8 B3 at 0.30m
	Sandy grit at 0.40m			

Notes:

Open moor, gentle slope

Coring logs

Site	Tom na Clach	Easting	287295
Client	Infinergy	Northing	835403
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	0.40
Core Number	Core_17	Auger Depth (m)	0.45
Page	1 of 1		


	Formation	Depth (m)	Thickness (m)	Von Post	
	Acrotelm	0.20	0.20	H2	B3
	Catotelm	0.40	0.20	H6	B3

Notes:

Open moor, gentle slope

Coring logs


Site	Tom na Clach	Easting	287256
Client	Infinergy	Northing	835444
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	0.50
Core Number	Core_18	Auger Depth (m)	0.50
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post
	Acrotelm	0.15	0.15	H3 B3
	Catotelm	0.50	0.35	H8 B3 at 0.30m
Thin layer of silt on top of rock at 0.50m				

Notes:	
Open moor, gentle slope	

Coring logs

Site	Tom na Clach	Easting	287222
Client	Infinergy	Northing	834965
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	2.00
Core Number	Core_19	Auger Depth (m)	2.30
Page	1 of 2		

	Formation	Depth (m)	Thickness (m)	Von Post		
	Catotelm	2.10	2.10	H8	B3	at 0.80m



Notes:

Open moor, fairly flat

Site	Tom na Clach	Easting	287222
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Coring logs

Client	Infinergy	Northing	834965
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	2.00
Core Number	Core_19	Auger Depth (m)	2.30
Page	2 of 2		

	Formation	Depth (m)	Thickness (m)	Von Post
 	Catotelm	2.10	2.10	H9 B3 at 1.80m
				H9 B3 at 2.05 m
				Sand at 2.1m

Coring logs

Site	Tom na Clach	Easting	289596
Client	Infinergy	Northing	835774
Survey Dates	6/6/2021 - 18/08/2021	Probe Depth (m)	0.30
Core Number	Core_2	Auger Depth (m)	0.30
Page	1 of 1		

	Formation	Depth (m)	Thickness (m)	Von Post
	Acrotelm	0.15	0.15	H2 B3
	Catotelm	0.30	0.15	H7 B3 at 0.25m
	Rock at 0.30m			

Notes:

Open moor, moderate slope