

Appendix 8-1 – Site Investigation Report





GROUND INVESTIGATIONS IRELAND
Geotechnical & Environmental

Catherinestown House,
Hazelhatch Road,
Newcastle,
Co. Dublin.
D22 YD52

Tel: 01 601 5175 / 5176
Email: info@gii.ie
Web: www.gii.ie

Ground Investigations Ireland

Cloghercor Wind Farm

Tobins

Ground Investigation Report

February 2023





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Email: info@gii.ie
Web: www.gii.ie

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Newcastle,
Co. Dublin.
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Email: info@gii.ie
Web: www.gii.ie

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CONTENTS

1.0	Preamble.....	1
2.0	Overview.....	1
2.1.	Background.....	1
2.2.	Purpose and Scope	1
3.0	Subsurface Exploration	1
3.1.	General	1
3.2.	Trial Pits.....	2
3.3.	Russian Sampler (Gouge Samples).....	2
3.4.	Peat Probing	2
3.5.	Rotary Boreholes.....	2
3.6.	Surveying	3
3.7.	Laboratory Testing	3

APPENDICES

Appendix 1	Site Location Plan
Appendix 2	Trial Pit Records
Appendix 3	Rotary Borehole Records
Appendix 4	Peat Probe Records
Appendix 5	Peat Sampling (Russian Sampler) Records
Appendix 6	Laboratory Testing



1.0 Preamble

On the instructions of Tobins Consulting Engineers, a site investigation was carried out by Ground Investigations Ireland Ltd., between June and October at the site of the proposed Wind Farm in Cloghercor Co. Donegal.

2.0 Overview

2.1. Background

It is proposed to construct a new Wind Farm with associated services, access roads and car parking at the proposed site. The site is currently greenfield and peatlands and is situated to the south of the Gweebarra River. The proposed construction is envisaged to consist of conventional foundations and pavement make up with some local excavations for services and plant.

2.2. Purpose and Scope

The purpose of the site investigation was to investigate subsurface conditions utilising a variety of investigative methods in accordance with the project specification. The scope of the work undertaken for this project included the following:

- Visit project site to observe existing conditions
- Carry out 21 No. Trial Pits to a maximum depth of 3.0m BGL
- Carry out 23 No. Russian Sampler locations to recover peat samples (Gouge Samples)
- Carry out 141 No. Peat Probes to determine soil strength/density characteristics
- Carry out 2 No. Rotary Core Boreholes to a maximum depth of 10m BGL
- Geotechnical & Environmental Laboratory testing
- Report with recommendations

3.0 Subsurface Exploration

3.1. General

During the ground investigation a programme of intrusive investigation specified by the Consulting Engineer was undertaken to determine the sub surface conditions at the proposed site. Regular sampling and in-situ testing was undertaken in the exploratory holes to facilitate the geotechnical descriptions and to enable laboratory testing to be carried out on the soil samples recovered during excavation and drilling.

The procedures used in this site investigation are in accordance with Eurocode 7 Part 2: Ground Investigation and testing (ISEN 1997 – 2:2007) and B.S. 5930:2015.

3.2. Trial Pits

The trial pits were excavated using a 13T tracked Bogmaster excavator at the locations shown in the exploratory hole location plan in Appendix 1. The locations were checked using a CAT scan to minimise the potential for encountering services during the excavation. The trial pits were sampled, logged and photographed by a Geotechnical Engineer/Engineering Geologist prior to backfilling with arisings. Notes were made of any services, inclusions, pit stability, groundwater encountered and the characteristics of the strata encountered and are presented on the trial pit logs which are provided in Appendix 2 of this Report.

3.3. Russian Sampler (Gouge Samples)

The Russian Peat Sampler is designed to collect samples at different depths in sediment and wet soils. Designed to take samples below the groundwater level the side filling chamber is inserted into the ground in the closed position and, once the target depth is reached, the handle is turned to capture your sample and closed again. The samples were logged and are provided in Appendix 3 of this Report.

3.4. Peat Probing

The peat probing was carried out in selected locations shown in the exploratory hole location plan in Appendix 1. These probes were carried out with ridged plastic rods pushed into the peat with a T bar handle on the top to apply downward pressure and to assist in withdrawing the apparatus. Additional sections could be added to allow the probes to extend to the base of any soft deposits. The soakaway test results are provided in Appendix 4 of this Report.

3.5. Rotary Boreholes

The rotary coring was carried out by a track mounted T44 Beretta rig at the locations shown on the location plan in Appendix 1. The rotary boreholes were completed from the ground surface or alternatively, where noted on the individual borehole log, from the base of the cable percussion borehole where a temporary liner was installed to facilitate follow-on rotary coring.

The T44 Beretta is equipped with rubber tracks which allow for short travel on pavement surfaces avoiding any damage to the surface. The T44 Beretta utilises a triple tube core barrel system operated using a wireline drilling process. The outer barrel is rotated by the drill rods and at its lower end, carries the coring bit. The inner barrel is mounted on a swivel so that it does not rotate during the process. The third barrel or liner is placed within the second one to retain the core intact and to preserve as much as possible the fabric of the drilling stratum. The core is cut by the coring bit and passes to the inner liner. The core is brought up to the surface within the inner barrel on a small diameter wire rope or line attached to the "overshoot" recovery tool which is then placed into a core box in order of recovery. A drilling fluid, typically air mist or water flush is passed from the surface through hollow drill rods to the drill bit and is used to cool the drill bit. Temporary casing is used in some situations to support unstable ground or to seal off fissures or voids. It should be noted that the rotary coring can only achieve limited recovery in overburden, particularly granular or weakly cemented strata due to the flushing medium washing away the cohesive fraction during

coring. The recovery achieved, where required is noted on the borehole logs and core photographs are provided to allow assessment of the core recovered. The rotary borehole logs are provided in Appendix 5 of this Report.

3.6. Surveying

The exploratory hole locations have been recorded using a KQ GEO Technologies KQ-M8 System which records the coordinates and elevation of the locations to ITM or Irish National Grid as required by the project specification. The coordinates and elevations are provided on the exploratory hole logs in the appendices of this Report.

3.7. Laboratory Testing

Geotechnical testing consisting of moisture content, Atterberg limits, Particle Size Distribution (PSD), hydrometer tests were carried out in NMTL's Geotechnical Laboratory in Carlow. The results of the laboratory testing are included in Appendix 6 of this Report.

APPENDIX 1 - Site Location Plan



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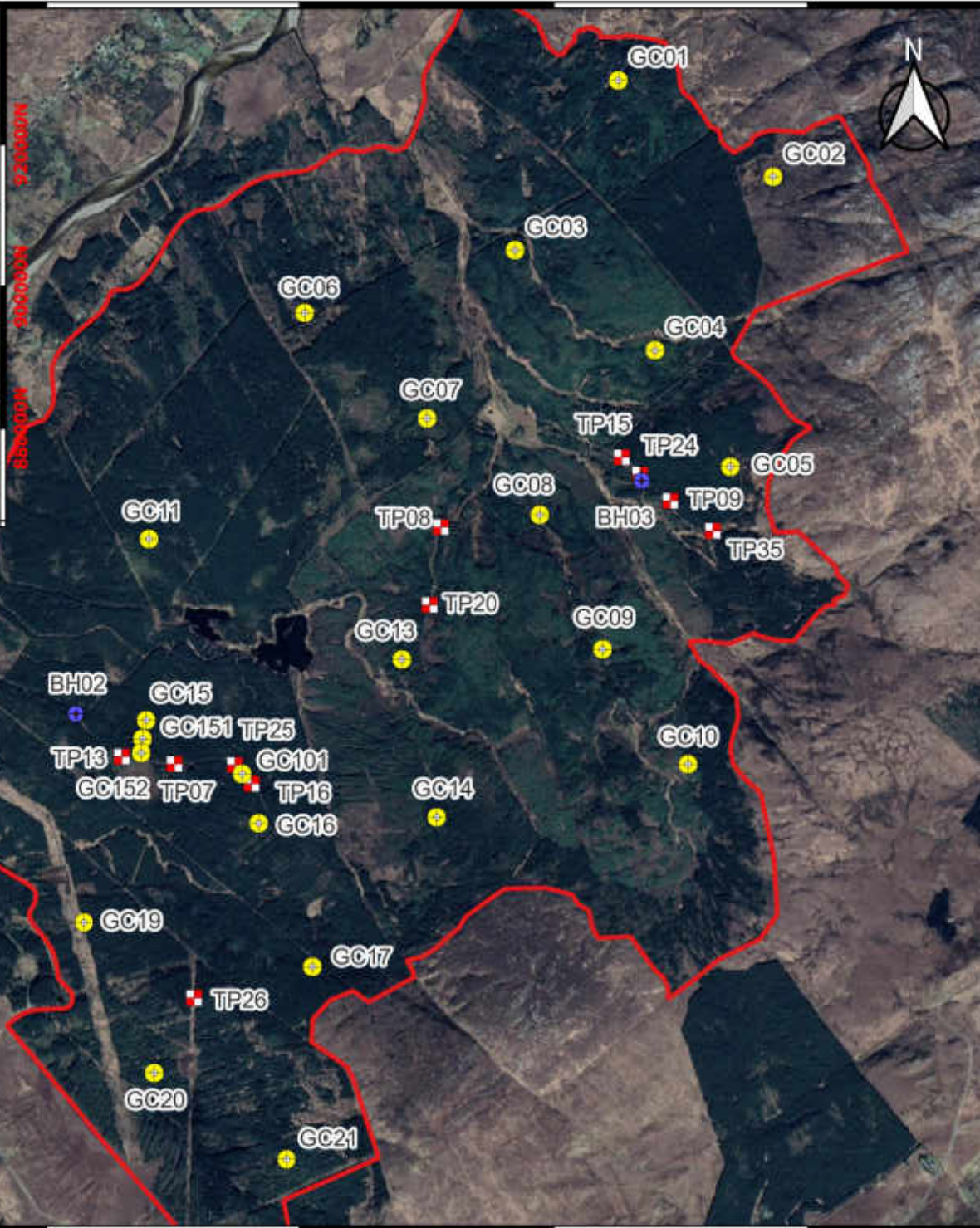
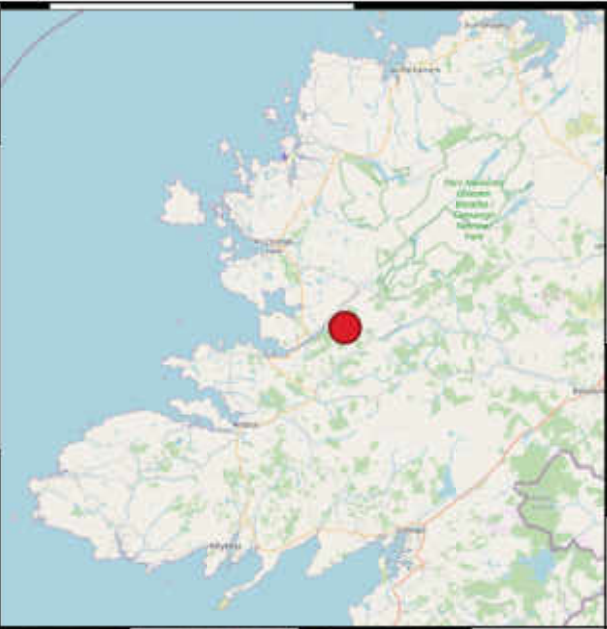
904000N

903000N

902000N

901000N

900000N



-  Site Location
-  Indicative Site Boundary
-  Rotary Core Borehole
-  Gouge Auger
-  Trial Pit

Client:



Project Code:
10549-04-21

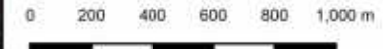
Project Title:
Clogherachullion Wind Farm

Drawing Title:
Figure 1 - Site Location Plan



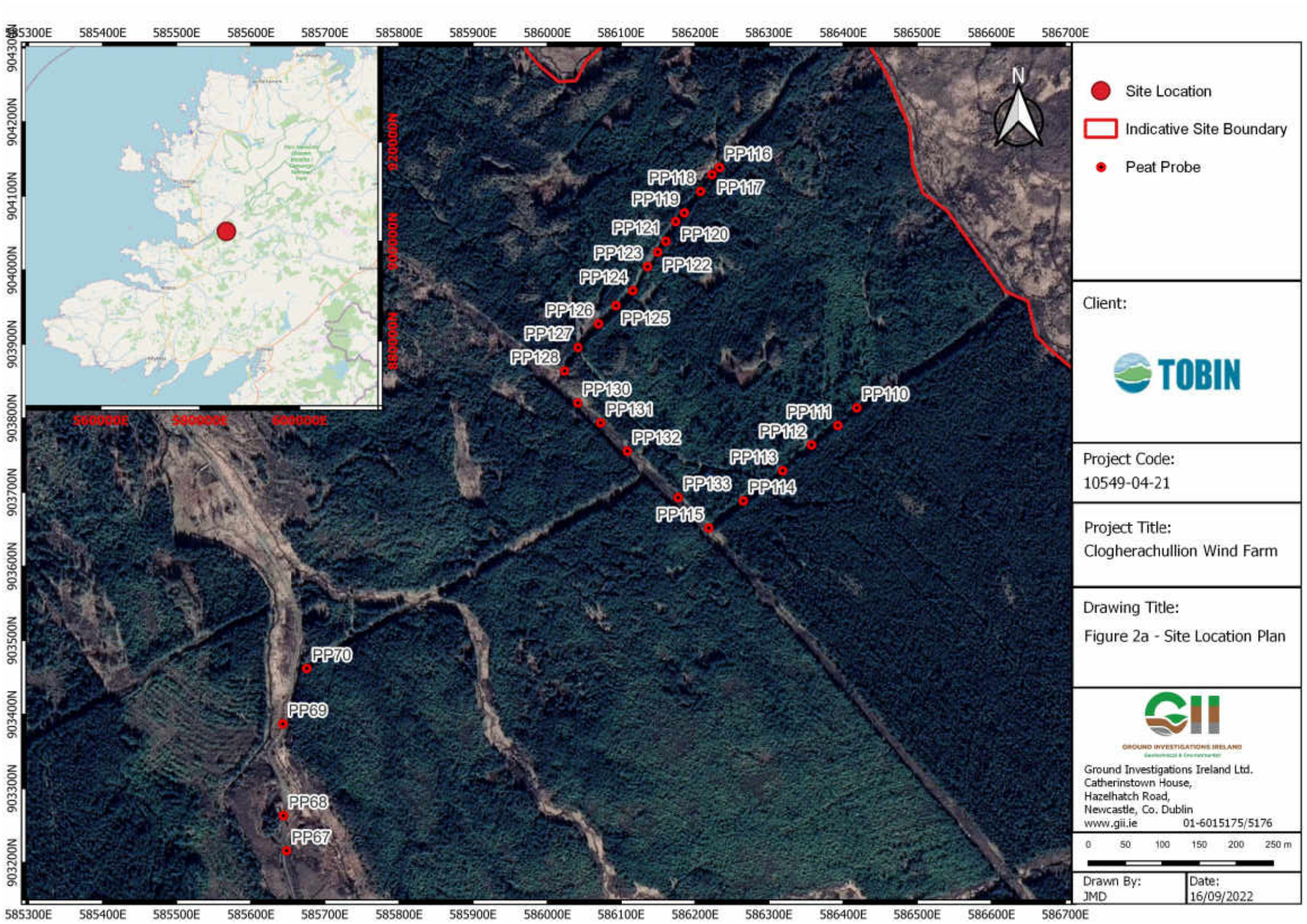
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Catherinstown House,
Hazelhatch Road,
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582000E 583000E 584000E 585000E 586000E 587000E



- Site Location
- Indicative Site Boundary
- Peat Probe

Client:



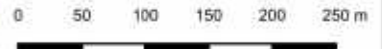
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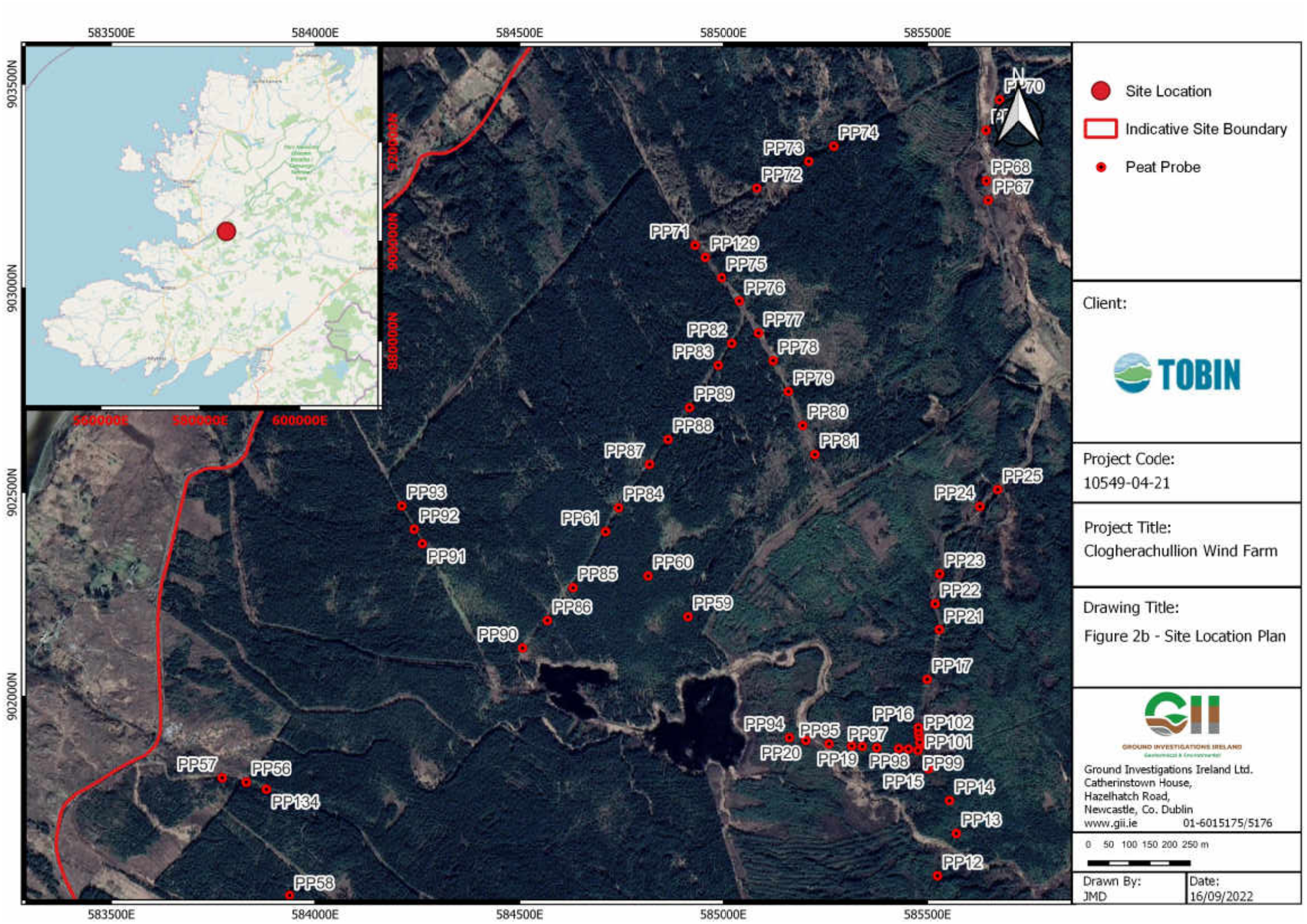
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Figure 2a - Site Location Plan



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583500E 584000E 584500E 585000E 585500E

903500N
903000N



583500E 584000E 584500E 585000E 585500E

902500N
902000N

584000E 584500E 585000E

- Site Location
- Indicative Site Boundary
- Peat Probe

Client:



Project Code:
10549-04-21

Project Title:
Clogherachullion Wind Farm

Drawing Title:
Figure 2b - Site Location Plan

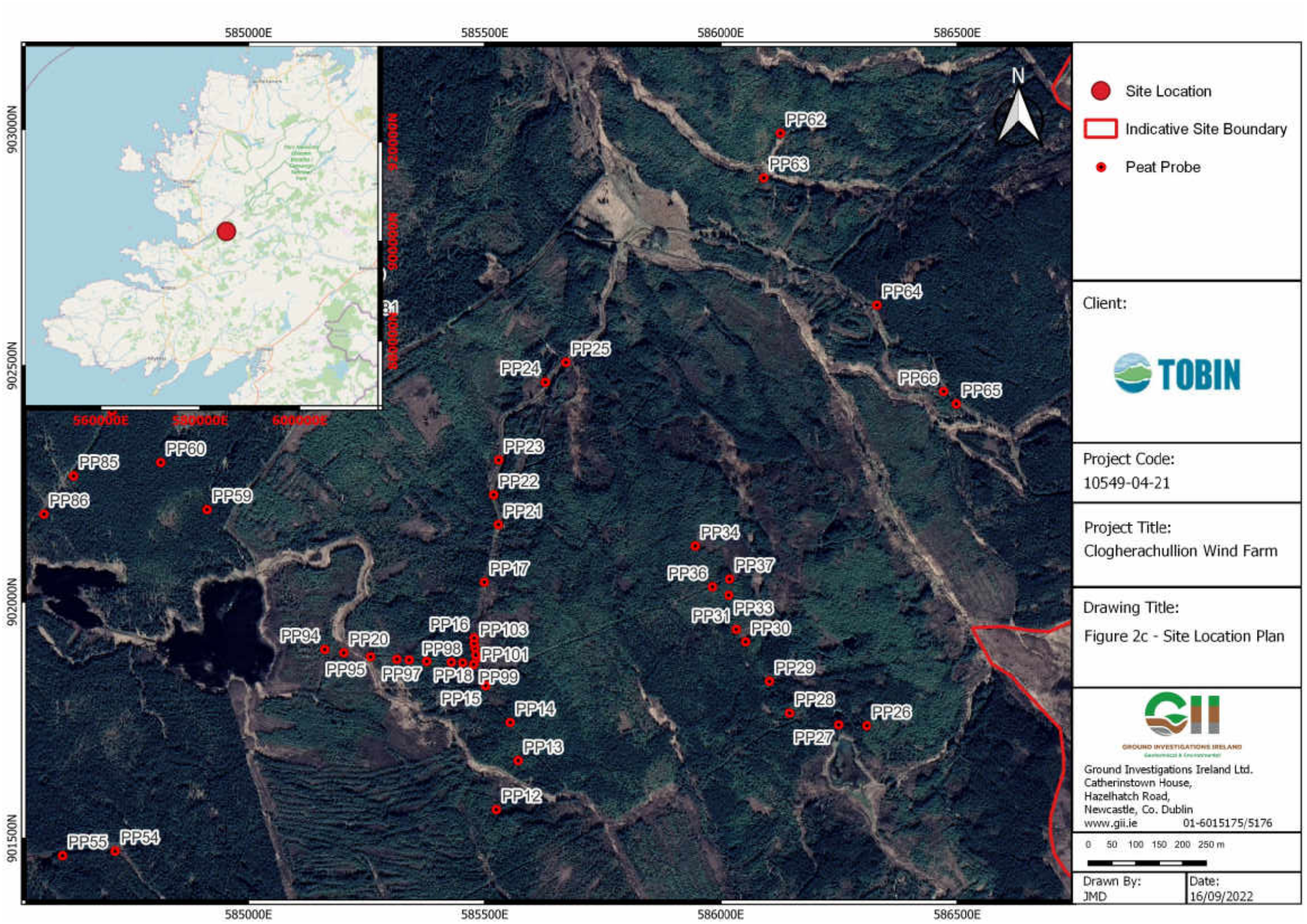


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Geotechnical & Environmental
Ground Investigations Ireland Ltd.
Catherinstown House,
Hazelhatch Road,
Newcastle, Co. Dublin
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0 50 100 150 200 250 m

Drawn By: JMD	Date: 16/09/2022
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583500E 584000E 584500E 585000E 585500E



585000E

585500E

586000E

586500E

903000N

902500N

902000N

901500N

585000E

585500E

586000E

586500E

- Site Location
- Indicative Site Boundary
- Peat Probe

Client:



Project Code:
10549-04-21

Project Title:
Clogherachullion Wind Farm

Drawing Title:
Figure 2c - Site Location Plan

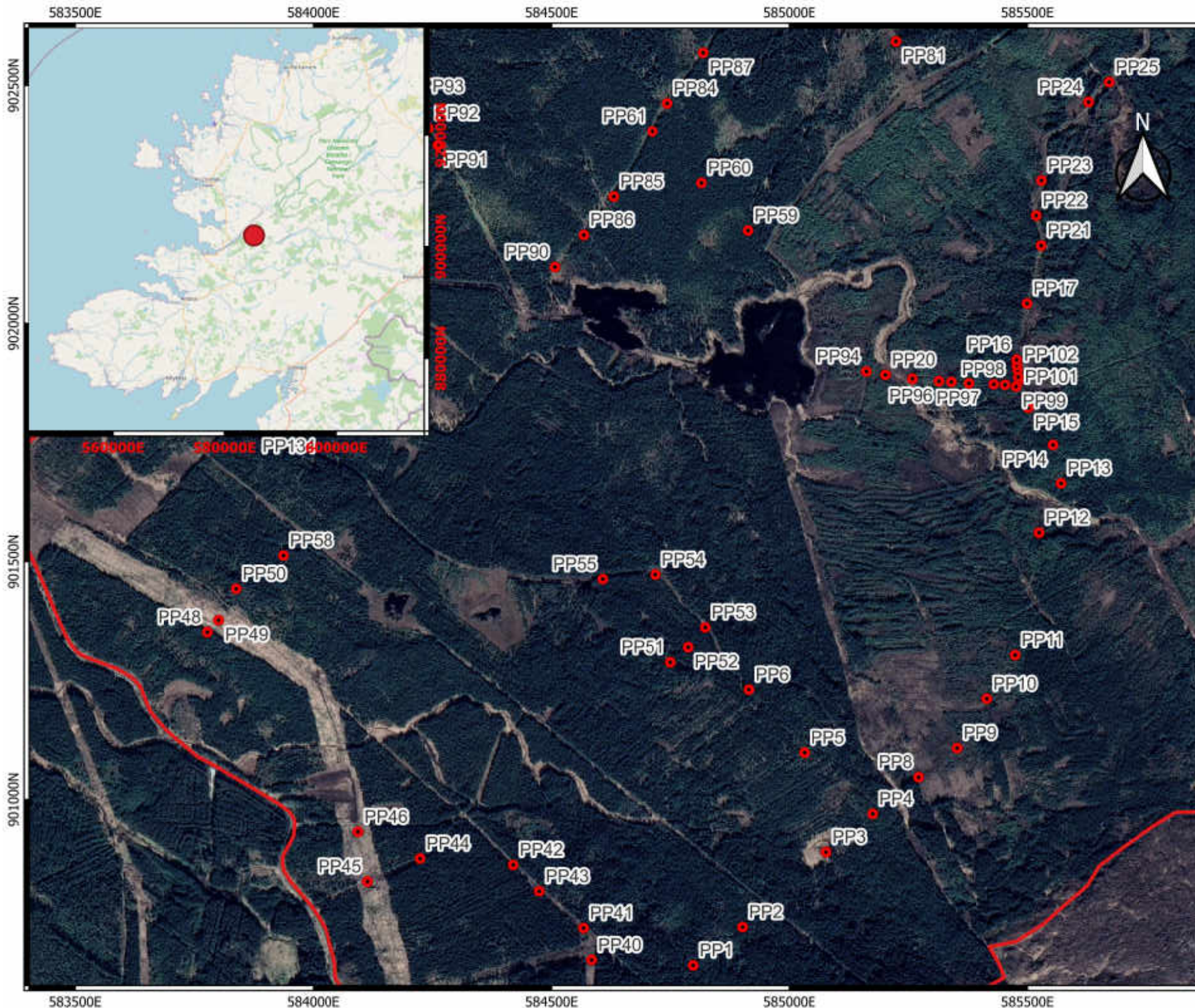


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Geotechnical & Environmental

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0 50 100 150 200 250 m

Drawn By: JMD	Date: 16/09/2022
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- Site Location
- Indicative Site Boundary
- Peat Probe



Client:



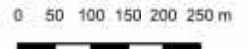
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10549-04-21

Project Title:
Clogherachullion Wind Farm

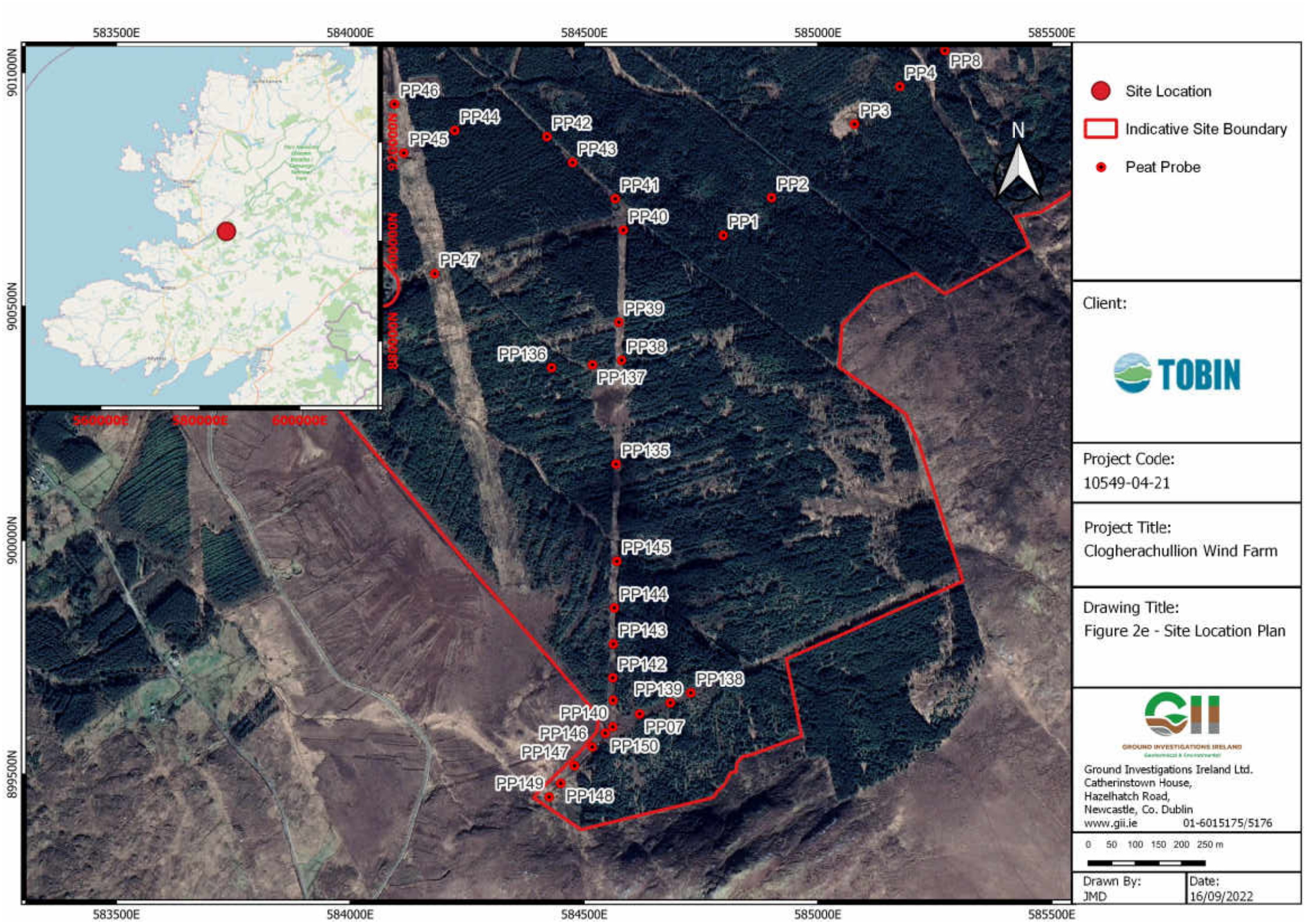
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Figure 2d - Site Location Plan



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- Site Location
- Indicative Site Boundary
- Peat Probe

Client:



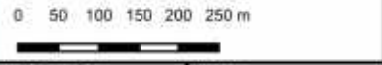
Project Code:
10549-04-21

Project Title:
Clogherachullion Wind Farm

Drawing Title:
Figure 2e - Site Location Plan


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APPENDIX 2 – Trial Pit Records





Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 3.30m x 1.70m x 3.30m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location (Handheld GPS) 901713.3 E 584013.5 N	Dates 09/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30 0.30	I 24.67kPa R 15.33kPa		23,21,30/Av. 24.67 20,11,15/Av. 15.33		(0.20) 0.20	Dark brown peaty TOPSOIL with grass, rootlets and occasional subangular to subrounded cobbles. Soft spongy brown pseudofibrous PEAT.		
0.50	B1							
0.80 0.80	I 23.33kPa R 16.00kPa		19,27,24/Av. 23.33 12,18,18/Av. 16.00		(2.00)			∇1 ∇2
			Moderate Seepage(1) at 1.70m. Moderate Ingress(2) at 1.90m.		2.20	Plastic greyish brown slightly gravelly pseudofibrous PEAT with occasional angular to subangular cobbles and boulders.		
2.50	B2				(1.10)			
					3.30	3.30m BGL: OBSTRUCTION due to presumed boulders or bedrock		
						Complete at 3.30m		

Plan 	Remarks		
	Hand Shear Vane Test carried out in trial pit at 0.30m and 0.80m BGL Groundwater encountered at 1.70m and 1.90m BGL Trial pit stable Trial pit backfilled on completion		
	Scale (approx)	Logged By	Figure No.
	1:25	JMD	10549-04-21.TP06



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 2.20m x 1.30m x 1.30m (L x W x D)	Ground Level (mOD) 106.71	Client Ørsted	Job Number 10549-04-21
	Location 584505.1 E 901458.5 N	Dates 09/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30 0.30	I 16.67kPa R 7.00kPa		Very Slow Seepage(1) at 0.30m. 19,22,9/Av. 16.67 7,9,5/Av. 7.00	106.41	(0.30) 0.30	Dark brown peaty TOPSOIL with grass and rootlets. Very soft spongy brown fibrous PEAT.		∇1
1.00 1.00	I 4.67kPa R 2.67kPa		4,3,7/Av. 4.67 3,2,3/Av. 2.67	105.51	(0.90) 0.90			
1.20	B1			105.41	1.20 (0.10) 1.30	Very soft slightly sandy slightly gravelly slightly organic CLAY. 1.30m BGL: OBSTRUCTION due to presumed bedrock Complete at 1.30m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m and 1.00m BGL Groundwater encountered at 0.30m BGL Trial pit stable Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 3.00m x 1.40m x 1.70m (L x W x D)	Ground Level (mOD) 110.21	Client Ørsted	Job Number 10549-04-21
	Location 585554.5 E 902390.9 N	Dates 10/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50	B1		Moderate Seepage(1) at 0.70m.	110.11	0.10	Brown peaty gravelly TOPSOIL with grass and rootlets.		▽1
					(1.00)	Spongy to plastic dark brown slightly clayey sandy gravelly pseudofibrous PEAT with many angular to subrounded cobbles and boulders (Possible Reworked Ground).		
1.50	B2			109.11	1.10	Brown clayey sandy fine to coarse angular to subrounded GRAVEL with many angular to subrounded cobbles and boulders.		
					(0.60)	1.70m BGL: OBSTRUCTION due to presumed boulders or bedrock		
				108.51	1.70	Complete at 1.70m		

Plan .	Remarks Trial pit backfilled on completion Hand Shear Vane Test attempted in trial pit at 0.50m BGL. Test Failed - material too granular Groundwater encountered at 0.70m BGL Trial pit spalling from GL	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 2.90m x 1.80m x 1.20m (L x W x D)	Ground Level (mOD) 140.19	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 586457 E 902494 N	Dates 10/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
1.00	B1			140.09	(0.10)	Brown peaty TOPSOIL with grass and rootlets.		
				139.89	(0.20)	Firm to spongy dark brown sandy gravelly pseudofibrous PEAT with some cobbles.		
					(0.90)	Greyish brown clayey sandy fine to coarse angular to subrounded GRAVEL with many angular to subrounded cobbles and boulders.		
				138.99	1.20	1.20m BGL: OBSTRUCTION due to presumed boulders or bedrock Complete at 1.20m		

Plan .	Remarks Hand Shear Vane Test attempted in trial pit at 0.30m BGL. Test Failed - material too granular No groundwater encountered Trial pit spalling from GL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 3.50m x 1.30m x 2.20m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location (Handheld GPS) 901662.1 E 584097.8 N	Dates 09/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50	I 13.67kPa R 9.67kPa		Slow Ingress(1) at 0.50m. 11,15,15/Av. 13.67 10,8,11/Av. 9.67		(0.20) 0.20	Brown slightly gravelly peaty TOPSOIL with grass, rootlets and occasional angular to subangular cobbles.		
1.00 1.00 1.00	I 9.33kPa B1 R 6.67kPa		8,9,11/Av. 9.33 6,6,8/Av. 6.67		(1.30)	Very soft spongy dark brown pseudofibrous PEAT with occasional angular to subangular cobbles and boulders.		V ₁
2.00	B2		Moderate Ingress(2) at 1.50m.		1.50 (0.70) 2.20	Plastic dark greyish brown gravelly pseudofibrous PEAT with many angular to subangular cobbles and boulders. 2.20m BGL: OBSTRUCTION due to presumed boulders or bedrock		V ₂
						Complete at 2.20m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.50m and 1.00m BGL Groundwater encountered at 0.50m and 1.50m BGL Trial pit sidewalls spalling from 0.50m BGL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 6T Tracked Excavator Method : Trial Pit	Dimensions 3.50m x 1.10m x 1.30m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location	Dates 13/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50 0.50	I 12.00kPa B1 R 6.33kPa		Fast Ingress(1) at 0.40m. 10,11,15/Av. 12.00 3,7,9/Av. 6.33		(0.90)	Very soft plastic dark brown pseudofibrous PEAT with some subangular to subrounded cobbles and boulders / large boulders.		∇1
					0.90 (0.40)	Brown clayey sandy organic fine to coarse subangular to subrounded GRAVEL with many cobbles and boulders. 1.30m BGL: OBSTRUCTION due to presumed boulders or bedrock		
1.30	B2				1.30	Complete at 1.30m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.50m BGL Groundwater encountered at 0.40m BGL Trial pit spalling from GL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 2.80m x 1.30m x 1.00m (L x W x D)	Ground Level (mOD) 97.94	Client Ørsted	Job Number 10549-04-21
	Location 584299.5 E 901487.9 N	Dates 09/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30	I 8.33kPa R 5.33kPa		11,3,11/Av. 8.33 10,2,4/Av. 5.33 Very Fast Ingress(1) at 0.60m.	97.64	(0.30)	Brown peaty TOPSOIL with grass and rootlets.		V1
0.30					(0.70)	Very soft spongy to plastic brown fibrous PEAT. 1.00m BGL: Trial Pit terminated due to groundwater ingress		
				96.94	1.00	Complete at 1.00m		

Plan .	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m BGL Groundwater encountered at 0.60m BGL Trial pit stable Trial pit terminated at 1.00m BGL due to groundwater ingress Trial pit backfilled on completion		
	<table border="1"> <tr> <td>Scale (approx) 1:25</td> <td>Logged By JMD</td> <td>Figure No. 10549-04-21.TP13</td> </tr> </table>	Scale (approx) 1:25	Logged By JMD
Scale (approx) 1:25	Logged By JMD	Figure No. 10549-04-21.TP13	



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 3.00m x 1.30m x 2.00m (L x W x D)	Ground Level (mOD) 120.60	Client Ørsted	Job Number 10549-04-21
	Location 586266.6 E 902665.2 N	Dates 10/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50	I 14.33kPa R 7.33kPa		10,16,17/Av. 14.33 6,10,6/Av. 7.33	120.40	(0.20) 0.20	Brown peaty TOPSOIL with rootlets. Very soft spongy dark brown pseudofibrous PEAT.		
1.00 1.00 1.00	B1 I 15.67kPa R 8.33kPa		Slow Seepage(1) at 1.00m. 18,14,15/Av. 15.67 9,9,7/Av. 8.33	119.40	(1.00) 1.20			∇1
2.00	B2			118.60	(0.80) 2.00	Brown slightly clayey very sandy fine to coarse angular to subrounded GRAVEL with many angular to subrounded cobbles and boulders. 2.00m BGL: OBSTRUCTION due to presumed boulders or bedrock		
						Complete at 2.00m		

Plan .	Remarks Hand Shear Vane Test carried out in trial pit at 0.50m and 1.00m BGL Groundwater encountered at 1.00m BGL Minor spalling from 1.00m BGL Trial pit backfilled on completion	Scale (approx)	Logged By	Figure No.
		1:25	JMD	10549-04-21.TP15



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 2.80m x 1.30m x 0.80m (L x W x D)	Ground Level (mOD) 121.43	Client Ørsted	Job Number 10549-04-21
	Location 584807.3 E 901380.4 N	Dates 09/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.20	I 20.67kPa R 12.00kPa		18,19,25/Av. 20.67 11,12,13/Av. 12.00	121.28	(0.15)	Dark brown peaty TOPSOIL with grass and rootlets.		
0.20					0.15	Very soft plastic brown pseudofibrous PEAT.		
0.50	B1			120.83	(0.45)			V1
0.70	I 23.00kPa R 21.00kPa		Slow Seepage(1) at 0.60m. 23,25,21/Av. 23.00 19,24,20/Av. 21.00	120.63	0.60	Soft greyish brown slightly sandy slightly gravelly slightly organic CLAY with occasional angular to subangular cobbles.		
0.70				0.20	0.80m BGL: OBSTRUCTION due to presumed bedrock			
						Complete at 0.80m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.20m and 0.70m BGL Groundwater encountered at 0.60m BGL Trial pit stable Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 6T Tracked Excavator Method : Trial Pit	Dimensions 2.50m x 1.50m x 1.90m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location	Dates 13/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.40 0.40 0.50	I 20.67kPa R 11.00kPa B1		Fast Ingress(1) at 0.20m. 15,25,22/Av. 20.67 10,11,12/Av. 11.00		(0.50) 0.50	Very soft spongy dark brown pseudofibrous PEAT with some subangular to subrounded boulders / large boulders.		∇1
1.50	B2				(1.40) 1.90	Brown clayey very sandy fine to coarse subangular to subrounded GRAVEL with many angular to subrounded cobbles and boulders / large boulders. 1.90m BGL: OBSTRUCTION due to presumed boulders or bedrock		
						Complete at 1.90m		

Plan .	Remarks Hand Shear Vane Test carried out in trial pit at 0.40m BGL Groundwater encountered at 0.20m BGL Trial pit spalling from 0.30m BGL Trial pit backfilled on completion		
	<table border="1"> <tr> <td>Scale (approx) 1:25</td> <td>Logged By JMD</td> <td>Figure No. 10549-04-21.TP17</td> </tr> </table>	Scale (approx) 1:25	Logged By JMD
Scale (approx) 1:25	Logged By JMD	Figure No. 10549-04-21.TP17	



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 1.90m x 1.30m x 1.20m (L x W x D)	Ground Level (mOD) 125.53	Client Ørsted	Job Number 10549-04-21
	Location 585510.1 E 902084.1 N	Dates 10/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30 0.30	I 8.33kPa R 3.33kPa		10,7,8/Av. 8.33 3,3,4/Av. 3.33 Moderate to Fast Ingress(1) at 0.50m.		(0.80)	Very soft spongy to plastic dark brown pseudofibrous PEAT.		∇1
1.00 1.00 1.00	I 12.33kPa B1 R 8.67kPa		12,13,12/Av. 12.33 9,11,6/Av. 8.67	124.73 124.33	0.80 (0.40) 1.20	Very soft spongy to plastic dark brown slightly clayey slightly sandy pseudofibrous PEAT. 1.20m BGL: OBSTRUCTION due to presumed bedrock Complete at 1.20m		

Plan .	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m and 1.00m BGL Groundwater encountered at 0.50m BGL Trial pit stable Trial pit backfilled on completion		
	<table border="1"> <tr> <td>Scale (approx) 1:25</td> <td>Logged By JMD</td> <td>Figure No. 10549-04-21.TP20</td> </tr> </table>	Scale (approx) 1:25	Logged By JMD
Scale (approx) 1:25	Logged By JMD	Figure No. 10549-04-21.TP20	



Machine : 6T Tracked Excavator Method : Trial Pit	Dimensions 2.20m x 1.10m x 1.30m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location	Dates 13/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.40 0.40 0.50	I 12.33kPa R 7.67kPa B1		Slow Ingress(1) at 0.30m. 11,10,16/Av. 12.33 5,8,10/Av. 7.67		(0.50) 0.50	Very soft spongy dark brown pseudofibrous PEAT with occasional angular to subrounded cobbles and boulders.		∇1
					(0.80)	Brown slightly clayey very sandy fine to coarse angular to subrounded GRAVEL with many angular to subrounded cobbles and boulders.		
1.30	B2				1.30	1.30m BGL: OBSTRUCTION due to presumed boulders or bedrock Complete at 1.30m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.40m BGL Groundwater encountered at 0.30m BGL Trial pit spalling from 0.50m BGL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 2.50m x 1.80m x 1.60m (L x W x D)	Ground Level (mOD) 131.02	Client Ørsted	Job Number 10549-04-21
	Location 586338.9 E 902597 N	Dates 10/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30 0.30 0.50	I 13.00kPa R 7.67kPa B1		17,13.9/Av. 13.00 8,9.6/Av. 7.67	130.52	(0.50) 0.50	Very soft spongy dark brown slightly gravelly pseudofibrous PEAT with occasional cobbles.		
1.50	B2		Very Slow Seepage(1) at 1.60m.	129.42	(1.10) 1.60	Brown clayey very sandy fine to coarse angular to subrounded GRAVEL with many angular to subrounded cobbles and boulders. 1.60m BGL: OBSTRUCTION due to presumed boulders or bedrock		∇1
						Complete at 1.60m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m BGL Groundwater encountered at 1.60m BGL Minor spalling from 0.50m BGL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator	Dimensions 2.20m x 1.30m x 0.90m (L x W x D)	Ground Level (mOD) 116.49	Client Ørsted	Job Number 10549-04-21
Method : Trial Pit	Location 584742.1 E 901454.6 N	Dates 09/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30	I 19.33kPa R 10.00kPa		Moderate Seepage(1) at 0.20m. 24,15,19/Av. 19.33 15,9,6/Av. 10.00	116.29	(0.20)	Brown peaty TOPSOIL with grass and rootlets.		∇1
0.30					0.20	Very soft spongy dark brown pseudofibrous PEAT.		
0.90	I 21.33kPa B1 R 16.00kPa		15,25,24/Av. 21.33 11,20,17/Av. 16.00	115.69	(0.80)	Soft greyish brown slightly sandy slightly gravelly slightly organic CLAY.		
0.90				115.59	(0.10)	0.90m BGL: OBSTRUCTION due to presumed bedrock		
0.90				0.90	Complete at 0.90m			

Plan .	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m and 0.90m BGL Groundwater encountered at 0.20m BGL Trial pit stable Trial pit backfilled on completion		
	<table border="1"> <tr> <td>Scale (approx) 1:25</td> <td>Logged By JMD</td> <td>Figure No. 10549-04-21.TP25</td> </tr> </table>	Scale (approx) 1:25	Logged By JMD
Scale (approx) 1:25	Logged By JMD	Figure No. 10549-04-21.TP25	



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 2.50m x 1.30m x 1.50m (L x W x D)	Ground Level (mOD) 160.29	Client Ørsted	Job Number 10549-04-21
	Location 584582.3 E 900538.1 N	Dates 09/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50	I 8.33kPa B1 R 5.67kPa		Moderate Seepage(1) at 0.30m. 11,6,8/Av. 8.33 9,3,5/Av. 5.67	159.99	(0.30)	Brown peaty TOPSOIL with grass and rootlets.		▽1
0.50					0.30	Very soft plastic dark brown pseudofibrous PEAT.		
0.50					(0.70)			
0.90	I 11.00kPa R 6.67kPa		12,14,7/Av. 11.00 8,9,3/Av. 6.67	159.29	1.00	Grey/brown clayey very sandy fine to coarse subangular to subrounded GRAVEL with some subangular to rounded cobbles and boulders.		
0.90					(0.50)	1.50m BGL: OBSTRUCTION due to presumed boulders or bedrock		
1.50	B2			158.79	1.50	Complete at 1.50m		

Plan .	Remarks Hand Shear Vane Test carried out in trial pit at 0.50m BGL Groundwater encountered at 0.30m BGL Minor spalling from 1.00m BGL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 2.70m x 1.20m x .3.00m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location (Handheld GPS) 902569.1 E 585739.1 N	Dates 10/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
1.50	B1				(0.20)	Brown peaty gravelly TOPSOIL with grass, rootlets and occasional angular to subrounded cobbles.		
					0.20	Brown slightly clayey gravelly fine to coarse SAND with many angular to subrounded cobbles and boulders.		
					(2.80)	3.00m BGL: OBSTRUCTION due to presumed boulders or bedrock		
					3.00	Complete at 3.00m		

Plan .	Remarks Hand Shear Vane Test attempted in trial pit at 0.50m BGL. Test Failed - material too granular No groundwater encountered Trial pit spalling from GL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 6T Tracked Excavator Method : Trial Pit	Dimensions 2.80m x 1.10m x 1.30m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location	Dates 13/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30	I 20.00kPa R 7.67kPa		21,19,20/Av. 20.00 6,9,8/Av. 7.67		(0.60)	Soft spongy dark brown pseudofibrous PEAT with occasional subangular to subrounded cobbles and boulders.		
0.30					0.60	Brown slightly clayey very sandy fine to coarse subangular to subrounded GRAVEL with some angular to subrounded cobbles and boulders.		
0.50	B1				(0.70)	1.30m BGL: OBSTRUCTION due to presumed boulders or bedrock		
1.30	B2				1.30	Complete at 1.30m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m BGL No groundwater encountered Trial pit stable Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 6T Tracked Excavator Method : Trial Pit	Dimensions 2.30m x 1.10m x 1.30m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location	Dates 13/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50	I 8.00kPa R 4.33kPa		Slow Ingress(1) at 0.50m. 7,8,9/Av. 8.00 3,5,5/Av. 4.33		(0.60)	Very soft plastic dark brown pseudofibrous PEAT.		V1
0.50					0.60	Plastic dark brown pseudofibrous PEAT with occasional cobbles and boulders.		
1.00	B1		Fast Ingress(2) at 0.90m.		(0.70)	1.30m BGL: OBSTRUCTION due to presumed boulders or bedrock		V2
					1.30	Complete at 1.30m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.50m BGL Groundwater encountered at 0.50m and 0.90m BGL Trial pit stable Trial pit backfilled on completion					
	<table border="1"> <tr> <td>Scale (approx)</td> <td>Logged By</td> <td>Figure No.</td> </tr> <tr> <td>1:25</td> <td>JMD</td> <td>10549-04-21.TP31</td> </tr> </table>	Scale (approx)	Logged By	Figure No.	1:25	JMD
Scale (approx)	Logged By	Figure No.				
1:25	JMD	10549-04-21.TP31				



Machine : 6T Tracked Excavator Method : Trial Pit	Dimensions 2.70m x 1.10m x 0.85m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location	Dates 13/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30	I 7.33kPa B1 R 3.67kPa		6,10,6/Av. 7.33 Moderate Seepage(1) at 3.4,4/Av. 3.67 0.40m.		(0.40)	Very soft plastic dark brown pseudofibrous PEAT with occasional subangular to subrounded cobbles and boulders.		
0.30					0.40	Brown slightly clayey slightly organic sandy fine to coarse subangular to subrounded GRAVEL with many subangular to subrounded cobbles and boulders.		
0.30					(0.45)	0.85m BGL: OBSTRUCTION due to presumed bedrock or many boulders		
0.80	B2				0.85	Complete at 0.85m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m BGL Groundwater encountered at 0.40m BGL Trial pit spalling from GL Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 6T Tracked Excavator Method : Trial Pit	Dimensions 2.60m x 1.70m x 1.50m (L x W x D)	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location	Dates 13/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30 0.30	I 18.00kPa R 10.67kPa		19,16,19/Av. 18.00 13,11,8/Av. 10.67		(1.00)	Very soft spongy dark brown pseudofibrous PEAT with occasional cobbles and boulders / large boulders.		∇1
1.00 1.00 1.00	I 20.33kPa B1 R 15.00kPa		18,24,19/Av. 20.33 14,18,13/Av. 15.00		1.00 (0.50) 1.50	Soft spongy dark brown slightly gravelly pseudofibrous PEAT with many cobbles and boulders. 1.50m BGL: OBSTRUCTION due to presumed boulders or bedrock		
						Complete at 1.50m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.30m and 1.00m BGL Groundwater encountered at 0.70m BGL Trial pit stable Trial pit backfilled on completion	
		Scale (approx) 1:25



Machine : 13T Tracked Excavator Method : Trial Pit	Dimensions 3.40m x 2.20m x 0.80m (L x W x D)	Ground Level (mOD) 150.31	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 586626.8 E 902375.9 N	Dates 10/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.30 0.40 0.40	B1 I 6.00kPa R 4.33kPa		4,7,7/Av. 6.00 2,6,5/Av. 4.33	149.81	0.50 0.50	Very soft plastic dark brown slightly sandy slightly gravelly pseudofibrous PEAT with occasional cobbles.		
0.80	B2			149.51	0.80	Grey very clayey very sandy fine to coarse angular to subrounded GRAVEL with many angular to subrounded cobbles and boulders. 0.80m BGL: OBSTRUCTION due to presumed bedrock		
						Complete at 0.80m		

Plan 	Remarks Hand Shear Vane Test carried out in trial pit at 0.40m BGL No groundwater encountered Trial pit stable Trial pit backfilled on completion		
	<table border="1"> <tr> <td>Scale (approx) 1:25</td> <td>Logged By JMD</td> <td>Figure No. 10549-04-21.TP35</td> </tr> </table>	Scale (approx) 1:25	Logged By JMD
Scale (approx) 1:25	Logged By JMD	Figure No. 10549-04-21.TP35	

Clogherachullion Wind Farm
Trial Pit Photographs



TP06



TP06



TP06



TP06



TP07



TP07



TP07



TP07



TP08



TP08



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APPENDIX 3 – Russian Sample Records





Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.90m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586252.8 E 904152.6 N	Dates 02/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1					Spongy dark brown to black pseudofibrous PEAT.		
0.50-0.90	T2				(0.90) 0.90	Complete at 0.90m		

Remarks Gouge Auger refusal at 0.90m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC001	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.50m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586861.9 E 903773.3 N	Dates 02/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				(0.15)	Firm black fibrous PEAT.		
					0.15	Spongy dark brown to black pseudofibrous PEAT.		
					(0.35)			
					0.50	Complete at 0.50m		

Remarks Gouge Auger refusal at 0.50m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC002	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.50m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585848.6 E 903484.6 N	Dates 02/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				 (0.50) 0.50	Firm dark brown to black slightly sandy pseudofibrous PEAT. Complete at 0.50m		

Remarks Gouge Auger refusal at 0.50m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC003	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 1.00m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586396.5 E 903090.4 N	Dates 01/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				(0.40)	Spongy brown pseudofibrous PEAT.		
0.50-1.00	T2				(0.60)	Spongy dark brown pseudofibrous PEAT.		
					1.00	Complete at 1.00m		

Remarks Gouge Auger refusal at 1.00m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC004	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.40m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586694.7 E 902632.1 N	Dates 01/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.40	T1				(0.15)	Firm brown fibrous PEAT.		
					0.15	Spongy dark brown to black pseudofibrous PEAT.		
					(0.25)			
					0.40	Complete at 0.40m		

Remarks Gouge Auger refusal at 0.40m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC005	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.45m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585018.4 E 903237.8 N	Dates 02/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.45	T1				(0.10) 0.10	Firm dark brown pseudofibrous PEAT.		
					(0.35)	Spongy dark brown to black pseudobrous PEAT.		
					0.45	Complete at 0.45m		

Remarks Gouge Auger refusal at 0.45m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC006	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.50m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585499.4 E 902822.4 N	Dates 01/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				(0.20)	Spongy brown fibrous PEAT.		
					0.20	Spongy dark brown to black pseudofibrous PEAT.		
					(0.30)			
					0.50	Complete at 0.50m		

Remarks Gouge Auger refusal at 0.50m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC007	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.50m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585945.1 E 902442.6 N	Dates 01/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1					Spongy dark brown pseudofibrous PEAT. Complete at 0.50m		

Remarks Gouge Auger refusal at 0.50m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC008	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 0.35m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586191.4 E 901913.6 N	Dates 01/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.35	T1				 (0.35) 0.35	Spongy brown pseudofibrous PEAT. Complete at 0.35m		

Remarks Gouge Auger refusal at 0.35m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC009	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.50m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586526 E 901461.8 N	Dates 01/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1					Spongy brown pseudofibrous PEAT. Complete at 0.50m		

Remarks Gouge Auger refusal at 0.50m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC010	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 2.95m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584405.1 E 902348.2 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				(0.15) 0.15	Firm dark brown fibrous PEAT.		
						Spongy brown pseudofibrous PEAT.		
0.50-1.00	T2				(0.85)			
1.00-1.50	T3				1.00	Plastic brown pseudofibrous PEAT.		
1.50-2.00	T4							
2.00-2.50 2.00-2.95	T5 T6				(1.95)			
					2.95	Complete at 2.95m		

Remarks Gouge Auger refusal at 2.95m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC011	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.50m	Ground Level (mOD) 119.60	Client Ørsted	Job Number 10549-04-21
	Location 585400.8 E 901874.2 N	Dates 01/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1			119.40	(0.20)	Spongy brown fibrous PEAT.		
					0.20	Spongy dark brown pseudofibrous PEAT.		
					(0.30)			
				119.10	0.50	Complete at 0.50m		

Remarks Gouge Auger refusal at 0.50m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC013	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 2.50m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585537.1 E 901253.1 N	Dates 06/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1					Spongy brown pseudofibrous PEAT.		
0.50-1.00	T2				(1.00)			
1.00-1.50	T3				1.00	Plastic brown pseudofibrous PEAT.		
1.50-2.00	T4				(1.05)			
2.00-2.50	T5				2.05	No Recovery - Possible Void		
					(0.40)			
					2.45	Plastic dark greyish brown pseudofibrous PEAT.		
					2.50	Complete at 2.50m		

Remarks Gouge Auger refusal at 2.50m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC014	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 0.20m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584394.4 E 901634.9 N	Dates 06/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	T1				(0.20) 0.20	Firm brown fibrous PEAT. Complete at 0.20m		

Remarks Gouge Auger refusal at 0.20m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC015	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 1.40m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584835 E 901229.7 N	Dates 06/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				(0.20) 0.20	Firm brown pseudofibrous PEAT.		
0.50-1.00	T2				(1.05)	Spongy brown pseudofibrous PEAT.		
1.00-1.40	T3				1.25 (0.15) 1.40	Spongy dark brown pseudofibrous PEAT.		
						Complete at 1.40m		

Remarks Gouge Auger refusal at 1.40m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC016	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 0.45m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585048.7 E 900664.6 N	Dates 06/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
0.00-0.45	T1					Firm brown fibrous PEAT.			
					(0.35)		Plastic dark brown pseudofibrous PEAT.		
					0.35 (0.10) 0.45		Complete at 0.45m		

Remarks Gouge Auger refusal at 0.45m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC017	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 0.30m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 583669.3 E 901363.6 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.30	T1				(0.10)	Spongy brown fibrous PEAT.		
					0.10	Spongy dark brown pseudofibrous PEAT.		
					(0.20)	Complete at 0.30m		
					0.30			

Remarks Gouge Auger refusal at 0.30m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC018	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 0.85m	Ground Level (mOD) 106.49	Client Ørsted	Job Number 10549-04-21
	Location 584149.2 E 900838.9 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1			106.34	(0.15) 0.15	Spongy brown fibrous PEAT.		
						Spongy dark brown pseudofibrous PEAT.		
0.50-0.85	T2			105.64	(0.70) 0.85	Complete at 0.85m		

Remarks Gouge Auger refusal at 0.85m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC019	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 2.00m	Ground Level (mOD) 129.29	Client Ørsted	Job Number 10549-04-21
	Location 584425.6 E 900246.8 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1			129.14	(0.15) 0.15	Plastic brown pseudofibrous PEAT.		
					(0.35)	Spongy brown pseudofibrous PEAT.		
0.50-1.00	T2			128.79	0.50	Plastic brown pseudofibrous PEAT.		
1.00-1.50	T3				(1.50)			
1.50-2.00	T4			127.29	2.00	Complete at 2.00m		

Remarks Gouge Auger refusal at 2.00m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC020	



Machine : Gouge Auger Method : Gouge Auger	Dimensions 50mm to 0.90m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584945.6 E 899907.3 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				(0.15)	Spongy brown fibrous PEAT.		
					0.15	Plastic dark brown to black pseudofibrous PEAT.		
0.50-0.90	T2				(0.35)			
					0.50	Firm dark brown to black pseudofibrous PEAT.		
					(0.40)			
					0.90	Complete at 0.90m		

Remarks Gouge Auger refusal at 0.90m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC021	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 0.35m	Ground Level (mOD) 121.07	Client Ørsted	Job Number 10549-04-21
	Location 584770.3 E 901423.6 N	Dates 06/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.35	T1			120.97	(0.10)	Spongy light brown fibrous PEAT.		
					0.10	Firm brown pseudofibrous PEAT.		
					(0.25)	Complete at 0.35m		
				120.72	0.35			

Remarks Gouge Auger refusal at 0.35m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC101	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 0.85m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584379.7 E 901561.7 N	Dates 06/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1				(0.15)	Plastic dark brown pseudofibrous PEAT.		
					0.15	Spongy brown pseudofibrous PEAT.		
0.50-0.85	T2				(0.35)			
					0.50	Plastic brown pseudofibrous PEAT.		
					(0.35)			
					0.85	Complete at 0.85m		

Remarks Gouge Auger refusal at 0.85m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.GC151	



Machine : Gouge Auger Method : Drive-in Windowless Sampler	Dimensions 50mm to 1.00m	Ground Level (mOD) 99.35	Client Ørsted	Job Number 10549-04-21
	Location 584374.8 E 901506.3 N	Dates 06/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.50	T1			99.20	(0.15) 0.15	Firm brown fibrous PEAT.		
						Plastic brown pseudofibrous PEAT.		
0.50-1.00	T2			98.35	(0.85) 1.00	Complete at 1.00m		

Remarks Gouge Auger refusal at 1.00m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.GC152	

Clogherachullion Wind Farm

Gouge Auger Photographs



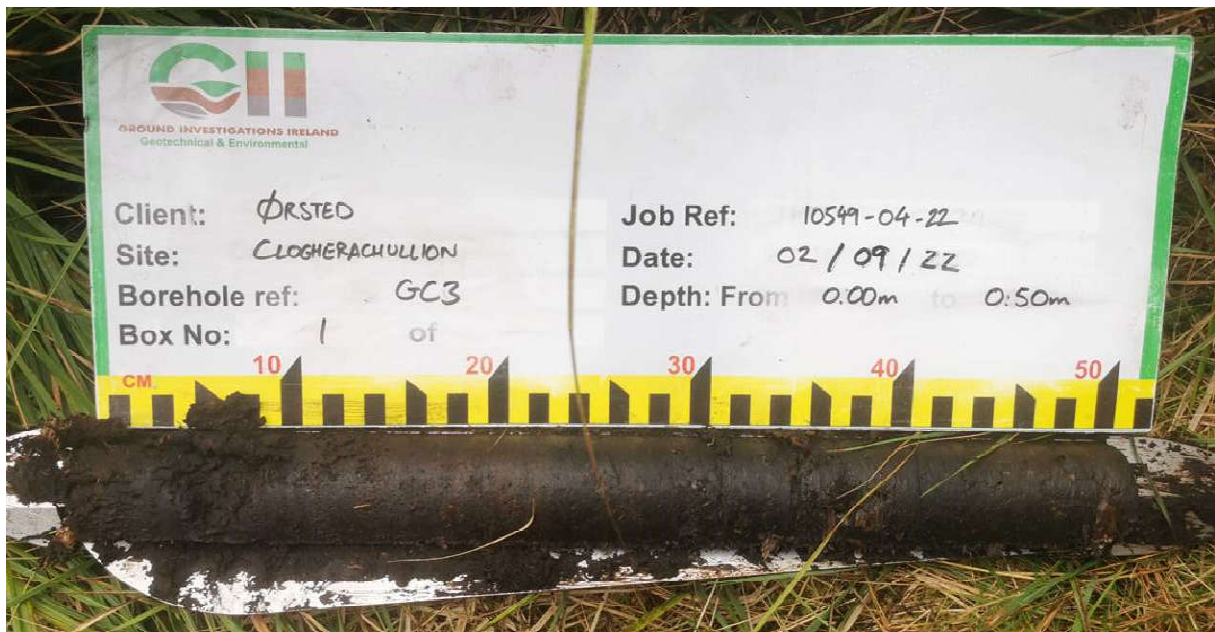
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GC01



GC02



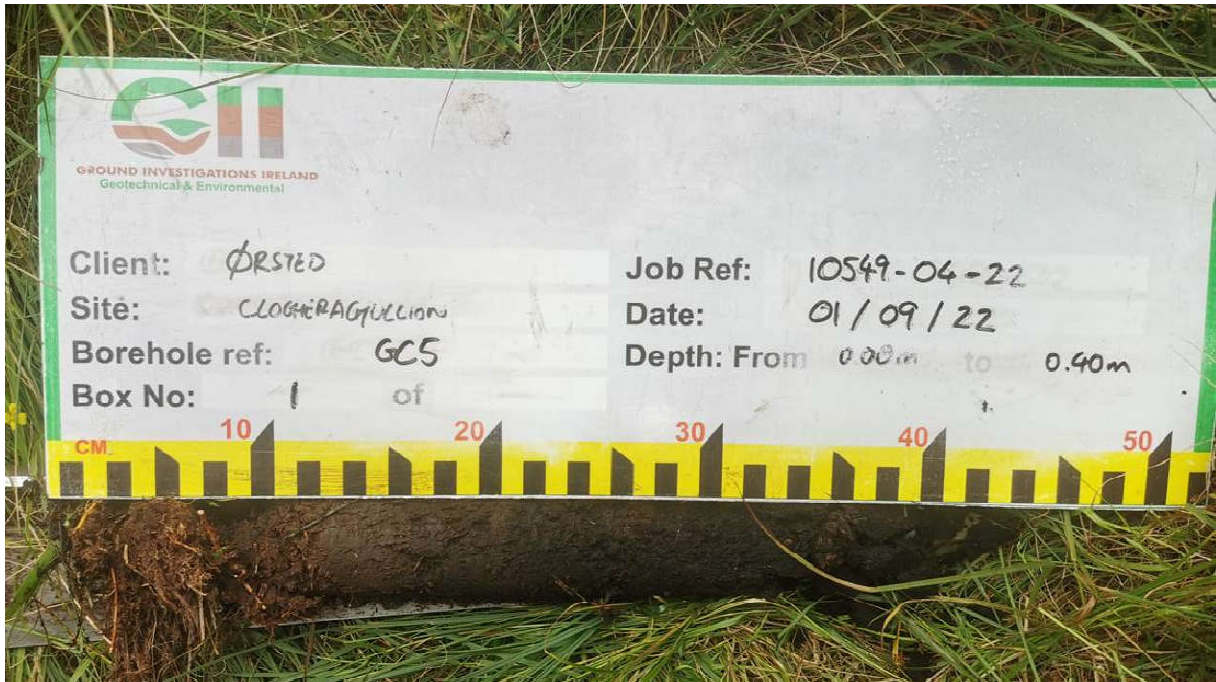
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GC04



GC04



GC05



GC06



GC07



GC08



GC09



GC10



GC11



GC11



GC11



GC11



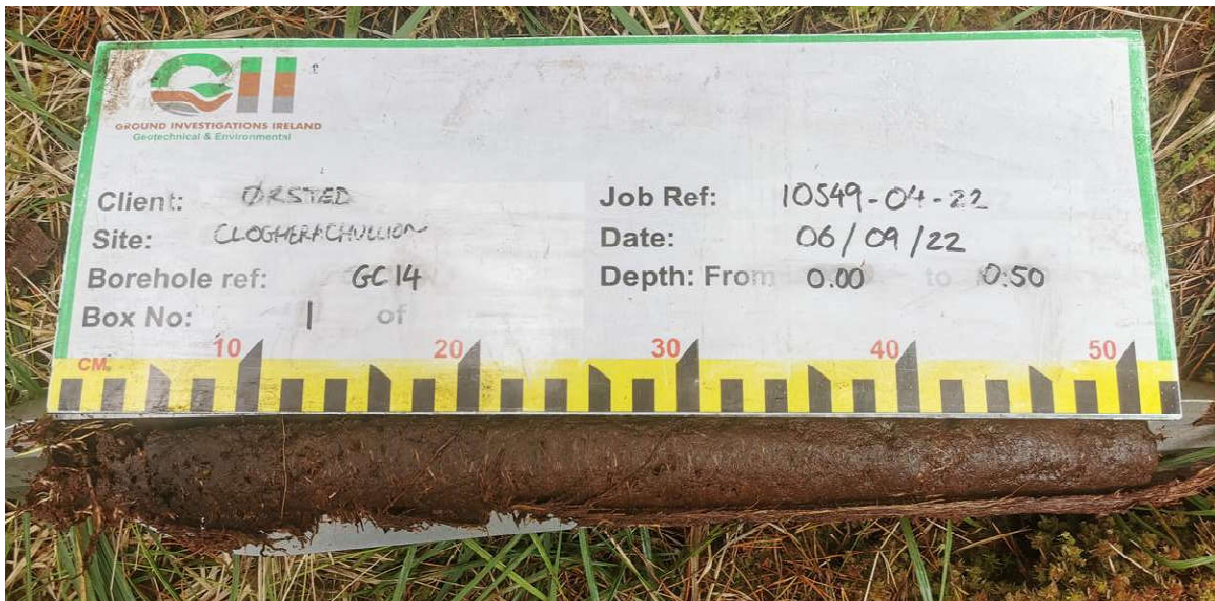
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GC11



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GC14



GC14



GC14



GC14



GC15



GC16



GC16



GC16



GC17



GC18



GC19



GC19



GC20



GC20



GC20



GC20



GC21



GC21



GC101



GC151



GC151



GC152



GC152

APPENDIX 4 – Peat Probe Records





Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.72m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584797.8 E 900652.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					0.72	PEAT		
					0.72	Complete at 0.72m		

Remarks Peat Probe refusal at 0.72m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP001	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.51m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584901.3 E 900733.2 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.51)	PEAT		
					0.51	Complete at 0.51m		

Remarks Peat Probe refusal at 0.51m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP002	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 3.05m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585077.8 E 900890.4 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(3.05)			
					3.05	Complete at 3.05m		

Remarks Peat Probe refusal at 3.05m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP003	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.60m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585175.5 E 900970.9 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.60)	PEAT		
					0.60	Complete at 0.60m		

Remarks Peat Probe refusal at 0.60m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP004	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.31m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585031.7 E 901099.4 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.31)			
					1.31	Complete at 1.31m		

Remarks Peat Probe refusal at 1.31m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP005	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.67m	Ground Level (mOD) 181.72	Client Ørsted	Job Number 10549-04-21
	Location 584618.8 E 899629.6 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				180.05	1.67	Complete at 1.67m		

Remarks Peat Probe refusal at 1.67m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP007	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.41m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585271.4 E 901047.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.41)	PEAT		
					0.41	Complete at 0.41m		

Remarks Peat Probe refusal at 0.41m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP008	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.22m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585351.9 E 901109 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(1.22)	PEAT		
					1.22	Complete at 1.22m		

Remarks Peat Probe refusal at 1.22m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP009	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.05m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585415.2 E 901212.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.05)			
					1.05	Complete at 1.05m		

Remarks Peat Probe refusal at 1.05m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.PP010	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.37m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585474.6 E 901304.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(2.37)			
					2.37	Complete at 2.37m		

Remarks Peat Probe refusal at 2.37m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP011	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.97m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585524.5 E 901561.5 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(0.97)			
					0.97	Complete at 0.97m		

Remarks Peat Probe refusal at 0.97m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP012	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.68m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585570.5 E 901665.1 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.68)	PEAT		
					0.68	Complete at 0.68m		

Remarks Peat Probe refusal at 0.68m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP013	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.41m	Ground Level (mOD) 147.67	Client Ørsted	Job Number 10549-04-21
	Location (dGPS) 585553.7 E 901745.9 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				146.26	1.41	Complete at 1.41m		

Remarks Peat Probe refusal at 1.41m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP014	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.09m	Ground Level (mOD) 136.55	Client Ørsted	Job Number 10549-04-21
	Location 585502.1 E 901823.5 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				135.46	1.09	Complete at 1.09m		

Remarks Peat Probe refusal at 1.09m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP015	



Machine : Peat Probe Method : Drive-in Windowless Sampler	Dimensions 13mm to 0.02m	Ground Level (mOD) 129.01	Client Ørsted	Job Number 10549-04-21
	Location 585477.6 E 901924.5 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				128.99	0.02	PEAT Complete at 0.02m		

Remarks Peat Probe refusal at 0.02m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP016	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.23m	Ground Level (mOD) 127.28	Client Ørsted	Job Number 10549-04-21
	Location 585499.2 E 902042.7 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				127.05	(0.23) 0.23	PEAT Complete at 0.23m		

Remarks Peat Probe refusal at 0.23m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP017	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.97m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585453.6 E 901872.1 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(0.97)			
					0.97	Complete at 0.97m		

Remarks Peat Probe refusal at 0.97m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP018	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.38m	Ground Level (mOD) 111.86	Client Ørsted	Job Number 10549-04-21
	Location 585339.9 E 901878.3 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				110.48	1.38	Complete at 1.38m		

Remarks Peat probe refusal at 1.38m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP019	




Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.72m	Ground Level (mOD) 104.06	Client Ørsted	Job Number 10549-04-21
	Location 585201.9 E 901893.1 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				102.34	1.72	Complete at 1.72m		

Remarks Peat Probe refusal at 1.72m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP020	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.12m	Ground Level (mOD) 124.33	Client Ørsted	Job Number 10549-04-21
	Location 585528.9 E 902164.4 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				124.21	(0.12) 0.12	PEAT Complete at 0.12m		

Remarks Peat Probe refusal at 0.12m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP021	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.11m	Ground Level (mOD) 121.38	Client Ørsted	Job Number 10549-04-21
	Location 585518.6 E 902227.5 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				121.27	(0.11) 0.11	PEAT Complete at 0.11m		

Remarks Peat Probe refusal at 0.11m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP022	



Machine : Peat Probe Method : Drive-in Windowless Sampler	Dimensions 13mm to 0.96m	Ground Level (mOD) 119.02	Client Ørsted	Job Number 10549-04-21
	Location 585529.6 E 902301.2 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				118.09	0.93	PEAT		
						Complete at 0.96m		

Remarks Peat Probe refusal at 0.96m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP023	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.02m	Ground Level (mOD) 100.52	Client Ørsted	Job Number 10549-04-21
	Location (RTK Float) 585627.9 E 902465.9 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				100.50	0.02	PEAT Complete at 0.02m		

Remarks Peat Probe refusal at 0.02m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP024	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.01m	Ground Level (mOD) 94.50	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 585671.1 E 902507.8 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				94.49	0.01	PEAT Complete at 0.01m		

Remarks Peat Probe refusal at 0.01m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP025	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.97m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586308.8 E 901738.9 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					0.97	PEAT		
					0.97	Complete at 0.97m		

Remarks Peat Probe refusal at 0.97m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP026	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.35m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586249.3 E 901740.8 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.35)	PEAT		
					0.35	Complete at 0.35m		

Remarks Peat Probe refusal at 0.35m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP027	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.30m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586145.8 E 901765.8 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(2.30)			
					2.30	Complete at 2.30m		

Remarks Peat Probe refusal at 2.30m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP028	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.45m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586103.6 E 901832.8 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.45)	PEAT		
					0.45	Complete at 0.45m		

Remarks Peat Probe refusal at 0.45m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP029	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.97m	Ground Level (mOD) 188.52	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 586053.2 E 901916.4 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				185.55	2.97	Complete at 2.97m		

Remarks Peat Probe refusal at 2.97m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP030	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.39m	Ground Level (mOD) 188.92	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 586033.4 E 901942.8 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				188.53	0.39	PEAT Complete at 0.39m		

Remarks Peat Probe refusal at 0.39m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP031	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.23m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 586017.3 E 902015 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(1.23)	PEAT		
					1.23	Complete at 1.23m		

Remarks Peat Probe refusal at 1.23m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP033	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.48m	Ground Level (mOD) 171.43	Client Ørsted	Job Number 10549-04-21
	Location 585945.6 E 902119.3 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				170.95	0.48	PEAT Complete at 0.48m		

Remarks Peat Probe refusal at 0.48m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP034	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.14m	Ground Level (mOD) 182.47	Client Ørsted	Job Number 10549-04-21
	Location 585982.1 E 902032.8 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				181.33	1.14	PEAT		
						Complete at 1.14m		

Remarks Peat Probe refusal at 1.14m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP036	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.15m	Ground Level (mOD) 178.66	Client Ørsted	Job Number 10549-04-21
	Location 586019.3 E 902049.4 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				177.51	(1.15) 1.15	PEAT Complete at 1.15m		

Remarks Peat Probe refusal at 1.15m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP037	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.13m	Ground Level (mOD) 143.83	Client Ørsted	Job Number 10549-04-21
	Location 584580.1 E 900385.8 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				142.70	1.13	Complete at 1.13m		

Remarks Peat Probe refusal at 1.13m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP038	



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Machine : Peat Probe Method : Peat Probe		Dimensions 13mm to 0.88m	Ground Level (mOD) 155.92	Client Ørsted	Job Number 10549-04-21
		Location 584574.3 E 900467.1 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				155.04	0.88	PEAT		
						Complete at 0.88m		

Remarks Peat Probe refusal at 0.88m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP039	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.91m	Ground Level (mOD) 155.58	Client Ørsted	Job Number 10549-04-21
	Location 584583.8 E 900663.9 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				154.67	0.91	PEAT Complete at 0.91m		

Remarks Peat Probe refusal at 0.91m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.PP40	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.93m	Ground Level (mOD) 147.85	Client Ørsted	Job Number 10549-04-21
	Location 584566.7 E 900730.9 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				146.92	0.93	Complete at 0.93m		

Remarks Peat Probe refusal at 0.93m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP041	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.55m	Ground Level (mOD) 122.10	Client Ørsted	Job Number 10549-04-21
	Location 584419.8 E 900863.6 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				121.55	0.55	PEAT Complete at 0.55m		

Remarks Peat Probe refusal at 0.55m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP042	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.39m	Ground Level (mOD) 132.96	Client Ørsted	Job Number 10549-04-21
	Location 584474.3 E 900808.3 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				132.57	0.39	PEAT Complete at 0.39m		

Remarks Peat Probe refusal at 0.39m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP043	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.49m	Ground Level (mOD) 107.03	Client Ørsted	Job Number 10549-04-21
	Location 584223.7 E 900876.8 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				105.54	1.49	Complete at 1.49m		

Remarks Peat Probe refusal at 1.49m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP044	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.83m	Ground Level (mOD) 105.54	Client Ørsted	Job Number 10549-04-21
	Location 584113.8 E 900828.7 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				103.71	1.83	Complete at 1.83m		

Remarks Peat Probe refusal at 1.83m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP045	



Machine : Peat Probe Method : Peat Probe		Dimensions 13mm to 0.87m	Ground Level (mOD) 95.94	Client Ørsted	Job Number 10549-04-21
		Location 584094 E 900933.3 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				95.07	0.87	PEAT		
						Complete at 0.87m		

Remarks Peat Probe refusal at 0.87m BGL	Scale (approx)	Logged By
	1:25	JMD
	Figure No. 10549-04-21.PP046	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.67m	Ground Level (mOD) 117.66	Client Ørsted	Job Number 10549-04-21
	Location 584180 E 900570.8 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				116.99	0.67	PEAT Complete at 0.67m		

Remarks Peat Probe refusal at 0.67m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP047	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.64m	Ground Level (mOD) 92.75	Client Ørsted	Job Number 10549-04-21
	Location 583777.7 E 901352.5 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				91.11	1.64	Complete at 1.64m		

Remarks Peat Probe refusal at 1.64m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP048	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.70m	Ground Level (mOD) 97.93	Client Ørsted	Job Number 10549-04-21
	Location 583801.4 E 901377.7 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				97.23	0.70	PEAT Complete at 0.70m		

Remarks Peat Probe refusal at 0.70m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP049	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.09m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 583838.1 E 901443.6 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.09)			
					1.09	Complete at 1.09m		

Remarks Peat Probe refusal at 1.09m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP050	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.25m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584749.8 E 901289.3 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.25)	PEAT		
					0.25	Complete at 0.25m		

Remarks Peat Probe refusal at 0.25m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP051	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.32m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584787.3 E 901320.9 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.32)	PEAT		
					0.32	Complete at 0.32m		

Remarks Peat Probe refusal at 0.32m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP052	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.49m	Ground Level (mOD) 123.42	Client Ørsted	Job Number 10549-04-21
	Location 584823 E 901362.6 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				122.93	0.49	PEAT Complete at 0.49m		

Remarks Peat Probe refusal at 0.49m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP053	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.76m	Ground Level (mOD) 111.61	Client Ørsted	Job Number 10549-04-21
	Location 584717.9 E 901473.4 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				109.85	1.76	Complete at 1.76m		

Remarks Peat Probe refusal at 1.76m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP054	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.96m	Ground Level (mOD) 108.12	Client Ørsted	Job Number 10549-04-21
	Location 584607.1 E 901463.9 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				106.16	1.96	Complete at 1.96m		

Remarks Peat Probe refusal at 1.96m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP055	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.34m	Ground Level (mOD) 80.68	Client Ørsted	Job Number 10549-04-21
	Location 583830.6 E 901790.7 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				80.34	0.34	PEAT Complete at 0.34m		

Remarks Peat Probe refusal at 0.34m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP056	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.95m	Ground Level (mOD) 78.93	Client Ørsted	Job Number 10549-04-21
	Location 583772 E 901801.3 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(0.95)			
				77.98	0.95	Complete at 0.95m		

Remarks Peat Probe refusal at 0.95m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP057	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.72m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 583936.8 E 901513.6 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					0.72	PEAT		
					0.72	Complete at 0.72m		

Remarks Peat Probe refusal at 0.72m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP058	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 4.82m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584912.8 E 902196.2 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(4.82)			
					4.82	Complete at 4.82m		

Remarks Peat Probe refusal at 4.82m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP059	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.61m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584815 E 902295.9 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.61)	PEAT		
					0.61	Complete at 0.61m		

Remarks Peat Probe refusal at 0.61m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP060	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.88m	Ground Level (mOD) 109.06	Client Ørsted	Job Number 10549-04-21
	Location 584711.3 E 902404.5 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				107.18	1.88	Complete at 1.88m		

Remarks Peat Probe refusal at 1.88m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP061	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.45m	Ground Level (mOD) 100.82	Client Ørsted	Job Number 10549-04-21
	Location (RTK Float) 586126.6 E 902992.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				99.37	1.45	Complete at 1.45m		

Remarks Peat Probe refusal at 1.45m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP062	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.81m	Ground Level (mOD) 96.68	Client Ørsted	Job Number 10549-04-21
	Location 586091.4 E 902898.2 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				95.87	0.81	PEAT (0.81) Complete at 0.81m		

Remarks Peat Probe refusal at 0.81m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP063	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.36m	Ground Level (mOD) 131.57	Client Ørsted	Job Number 10549-04-21
	Location 586330.9 E 902628.9 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				130.21	1.36	PEAT		
						Complete at 1.36m		

Remarks Peat Probe refusal at 1.36m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP064	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.04m	Ground Level (mOD) 139.08	Client Ørsted	Job Number 10549-04-21
	Location 586498.3 E 902419.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				139.04	0.04	PEAT Complete at 0.04m		

Remarks Peat Probe refusal at 0.04m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP065	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.78m	Ground Level (mOD) 139.40	Client Ørsted	Job Number 10549-04-21
	Location 586471.3 E 902446.3 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				138.62	0.78	PEAT (0.78) Complete at 0.78m		

Remarks Peat Probe refusal at 0.78m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP066	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.61m	Ground Level (mOD) 76.49	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 585647.9 E 903216.5 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				75.88	0.61	PEAT Complete at 0.61m		

Remarks Peat Probe refusal at 0.61m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP067	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.04m	Ground Level (mOD) 70.11	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 585643.6 E 903263.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				70.07	0.04	PEAT Complete at 0.04m		

Remarks Peat Probe refusal at 0.04m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP068	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.03m	Ground Level (mOD) 56.80	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 585643 E 903387.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				56.77	0.03	PEAT Complete at 0.03m		

Remarks Peat Probe refusal at 0.03m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP069	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.53m	Ground Level (mOD) 56.04	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 585675.8 E 903462.5 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				53.51	2.53	Complete at 2.53m		

Remarks Peat Probe refusal at 2.53m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP070	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.36m	Ground Level (mOD) 80.76	Client Ørsted	Job Number 10549-04-21
	Location 584930.1 E 903106 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				80.40	0.36	PEAT Complete at 0.36m		

Remarks Peat Probe refusal at 0.36m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP071	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.39m	Ground Level (mOD) 69.83	Client Ørsted	Job Number 10549-04-21
	Location 585082.5 E 903246 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				69.44	0.39	PEAT Complete at 0.39m		

Remarks Peat Probe refusal at 0.39m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP072	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.44m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585209.3 E 903311.7 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.44)	PEAT		
					0.44	Complete at 0.44m		

Remarks Peat Probe refusal at 0.44m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP073	



Machine : Peat Probe Method : Drive-in Windowless Sampler	Dimensions 13mm to 0.31m	Ground Level (mOD) 64.17	Client Ørsted	Job Number 10549-04-21
	Location 585270.3 E 903348.7 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				63.86	0.31	PEAT Complete at 0.31m		

Remarks PEat Probe refusal at 0.31m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP074	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.27m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584995.8 E 903026.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(1.27)	PEAT		
					1.27	Complete at 1.27m		

Remarks Peat Probe refusal at 1.27m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP075	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.05m	Ground Level (mOD) 96.62	Client Ørsted	Job Number 10549-04-21
	Location 585040 E 902969.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				94.57	2.05	Complete at 2.05m		

Remarks Peat Probe refusal at 2.05m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP076	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.05m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585086.5 E 902891.1 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.05)			
					1.05	Complete at 1.05m		

Remarks Peat Probe refusal at 1.05m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP077	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.73m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585122.3 E 902823.4 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(2.73)			
					2.73	Complete at 2.73m		

Remarks Peat Probe refusal at 2.73m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP078	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.94m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585159.4 E 902747.9 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(2.94)			
					2.94	Complete at 2.94m		

Remarks Peat Probe refusal at 2.94m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP079	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.83m	Ground Level (mOD) 101.55	Client Ørsted	Job Number 10549-04-21
	Location 585194.3 E 902664.5 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				99.72	1.83	Complete at 1.83m		

Remarks Peat Probe refusal at 1.83m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP080	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.81m	Ground Level (mOD) 103.73	Client Ørsted	Job Number 10549-04-21
	Location 585224.1 E 902593.4 N	Dates 07/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				101.92	1.81	Complete at 1.81m		

Remarks Peat Probe refusal at 1.81m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP081	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.84m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585021.3 E 902865.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					0.84	PEAT		
					0.84	Complete at 0.84m		

Remarks Peat Probe refusal at 0.84m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP082	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.46m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584986.8 E 902811.9 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.46)	PEAT		
					0.46	Complete at 0.46m		

Remarks Peat Probe refusal at 0.46m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP083	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 5.94m	Ground Level (mOD) 108.31	Client Ørsted	Job Number 10549-04-21
	Location 584743.2 E 902463 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/2

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(5.94)	PEAT		

Remarks Peat Probe terminated at 5.94m BGL due to max length of Peat Probe rods	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP084	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 5.94m	Ground Level (mOD) 108.31	Client Ørsted	Job Number 10549-04-21
	Location 584743.2 E 902463 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 2/2

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				102.37	5.94	Terminated at 5.94m		

Remarks	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP084	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.82m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584630.1 E 902267.3 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(2.82)			
					2.82	Complete at 2.82m		

Remarks Peat Probe refusal at 2.82m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP085	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.98m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584567.5 E 902186.8 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(2.98)	PEAT		
					2.98	Complete at 2.98m		

Remarks Peat Probe refusal at 2.98m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP086	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 3.74m	Ground Level (mOD) 104.05	Client Ørsted	Job Number 10549-04-21
	Location 584818.8 E 902569.3 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				103.31	0.74	PEAT Complete at 3.74m		

Remarks Peat Probe refusal at 3.74m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP087	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.74m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584864.1 E 902630.3 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					0.74	PEAT		
					0.74	Complete at 0.74m		

Remarks Peat Probe refusal at 0.74m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP088	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.03m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584916.5 E 902708.3 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.03)			
					1.03	Complete at 1.03m		

Remarks Peat Probe refusal at 1.03m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP089	




Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 5.19m	Ground Level (mOD) 100.67	Client Ørsted	Job Number 10549-04-21
	Location 584507.3 E 902119.4 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/2

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(5.19)	PEAT		

Remarks Peat Probe refusal at 5.19m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP090	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 5.19m	Ground Level (mOD) 100.67	Client Ørsted	Job Number 10549-04-21
	Location 584507.3 E 902119.4 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 2/2

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				95.48	5.19	Complete at 5.19m		

Remarks	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP090	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.72m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584261.1 E 902375.1 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(2.72)			
					2.72	Complete at 2.72m		

Remarks Peat Probe refusal at 2.72m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP091	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.04m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584241.4 E 902410.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.04)			
					1.04	Complete at 1.04m		

Remarks Peat Probe refusal at 1.04m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP092	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.89m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 584211.2 E 902467.7 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(1.89)	PEAT		
					1.89	Complete at 1.89m		

Remarks Peat Probe refusal at 1.89m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP093	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.59m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585162 E 901900.1 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.59)			
					1.59	Complete at 1.59m		

Remarks Peat Probe refusal at 1.59m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP094	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.30m	Ground Level (mOD) 106.08	Client Ørsted	Job Number 10549-04-21
	Location 585258.4 E 901884.8 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				104.78	1.30	Complete at 1.30m		

Remarks Peat Probe refusal at 1.30m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP095	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.88m	Ground Level (mOD) 109.69	Client Ørsted	Job Number 10549-04-21
	Location 585313.8 E 901879.6 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				108.81	0.88	PEAT (0.88) Complete at 0.88m		

Remarks Peat Probe refusal at 0.88m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP096	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.15m	Ground Level (mOD) 116.36	Client Ørsted	Job Number 10549-04-21
	Location 585376.6 E 901875.1 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				115.21	1.15	PEAT		
						Complete at 1.15m		

Remarks Peat Probe refusal at 1.15m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP097	



Machine : Peat Probe Method : Peat Probe		Dimensions 13mm to 1.04m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
		Location 585429.8 E 901873.3 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.04)			
					1.04	Complete at 1.04m		

Remarks Peat Probe refusal at 1.04m BGL	Scale (approx)	Logged By
	1:25	JMD
Figure No. 10549-04-21.PP098		



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.44m	Ground Level (mOD)	Client Ørsted	Job Number 10549-04-21
	Location 585476.6 E 901868.4 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.44)	PEAT		
					0.44	Complete at 0.44m		

Remarks Peat Probe refusal at 0.44m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP099	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.73m	Ground Level (mOD) 132.57	Client Ørsted	Job Number 10549-04-21
	Location 585482.8 E 901881.3 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				130.84	1.73	Complete at 1.73m		

Remarks Peat Probe refusal at 1.73m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP100	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.56m	Ground Level (mOD) 131.84	Client Ørsted	Job Number 10549-04-21
	Location 585481.2 E 901888.3 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				131.28	0.56	PEAT Complete at 0.56m		

Remarks Peat Probe refusal at 0.56m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP101	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.16m	Ground Level (mOD) 129.76	Client Ørsted	Job Number 10549-04-21
	Location 585479.4 E 901903.3 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				129.60	(0.16) 0.16	PEAT Complete at 0.16m		

Remarks Peat Probe refusal at 0.16m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP102	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.04m	Ground Level (mOD) 129.18	Client Ørsted	Job Number 10549-04-21
	Location 585477.8 E 901913.5 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				129.14	0.04	PEAT Complete at 0.04m		

Remarks Peat Probe refusal at 0.04m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP103	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.41m	Ground Level (mOD) 95.58	Client Ørsted	Job Number 10549-04-21
	Location 586418.3 E 903814.4 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				93.17	2.41	PEAT		
						Complete at 2.41m		

Remarks Peat Probe refusal at 2.41m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP110	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.34m	Ground Level (mOD) 94.86	Client Ørsted	Job Number 10549-04-21
	Location (dGPS) 586392.8 E 903790.6 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				93.52	1.34	Complete at 1.34m		

Remarks Peat Probe refusal at 1.34m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP111	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.06m	Ground Level (mOD) 93.13	Client Ørsted	Job Number 10549-04-21
	Location 586357.4 E 903764.5 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				91.07	2.06	Complete at 2.06m		

Remarks Peat Probe refusal at 2.06m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP112	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.80m	Ground Level (mOD) 90.76	Client Ørsted	Job Number 10549-04-21
	Location (RTK Float) 586318.5 E 903729.6 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				89.96	0.80	PEAT (0.80) Complete at 0.80m		

Remarks Peat Probe refusal at 0.80m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP113	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.59m	Ground Level (mOD) 86.50	Client Ørsted	Job Number 10549-04-21
	Location 586265.6 E 903688.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				85.91	0.59	PEAT Complete at 0.59m		

Remarks Peat Probe refusal at 0.59m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP114	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.85m	Ground Level (mOD) 84.14	Client Ørsted	Job Number 10549-04-21
	Location 586218.4 E 903652.2 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				82.29	1.85	Complete at 1.85m		

Remarks Peat Probe refusal at 1.85m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP115	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.70m	Ground Level (mOD) 52.98	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 586232.9 E 904139 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				52.28	0.70	PEAT Complete at 0.70m		

Remarks Peat Probe refusal at 0.70m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP116	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.66m	Ground Level (mOD) 53.79	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 586222.7 E 904129.4 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				53.13	0.66	PEAT Complete at 0.66m		

Remarks Peat Probe refusal at 0.66m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP117	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.42m	Ground Level (mOD) 53.65	Client Ørsted	Job Number 10549-04-21
	Location (Autonomous) 586207.3 E 904106.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				53.23	0.42	PEAT Complete at 0.42m		

Remarks Peat Probe refusal at 0.42m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP118	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.88m	Ground Level (mOD) 51.42	Client Ørsted	Job Number 10549-04-21
	Location (dGPS) 586185.4 E 904077.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				50.54	0.88	PEAT		
						Complete at 0.88m		

Remarks Peat Probe refusal at 0.88m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP119	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.45m	Ground Level (mOD) 52.79	Client Ørsted	Job Number 10549-04-21
	Location (RTK Float) 586173.7 E 904066.1 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				51.34	1.45	Complete at 1.45m		

Remarks Peat Probe refusal at 1.45m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP120	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.59m	Ground Level (mOD) 55.66	Client Ørsted	Job Number 10549-04-21
	Location 586160.6 E 904039.4 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				53.07	2.59	Complete at 2.59m		

Remarks Peat Probe refusal at 2.59m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP121	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.38m	Ground Level (mOD) 56.94	Client Ørsted	Job Number 10549-04-21
	Location 586149.5 E 904024.8 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				54.56	2.38	Complete at 2.38m		

Remarks Peat Probe refusal at 2.38m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP122	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 3.11m	Ground Level (mOD) 58.08	Client Ørsted	Job Number 10549-04-21
	Location 586135.8 E 904005.1 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				54.97	3.11	Complete at 3.11m		

Remarks Peat Probe refusal at 3.11m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP123	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.95m	Ground Level (mOD) 58.76	Client Ørsted	Job Number 10549-04-21
	Location 586115.9 E 903972.7 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				56.81	1.95	Complete at 1.95m		

Remarks Peat Probe refusal at 1.95m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP124	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.00m	Ground Level (mOD) 59.52	Client Ørsted	Job Number 10549-04-21
	Location 586093.3 E 903952.6 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
					(1.00)			
				58.52	1.00	Complete at 1.00m		

Remarks Peat Probe refusal at 1.00m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP125	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.01m	Ground Level (mOD) 60.16	Client Ørsted	Job Number 10549-04-21
	Location 586069.6 E 903927.9 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				58.15	2.01	Complete at 2.01m		

Remarks Peat Probe refusal at 2.01m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP126	



Ground Investigations Ireland Ltd
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Site
Clogherachullion Wind Farm Donegal

Number
PP127

Machine : Peat Probe
Method : Peat Probe

Dimensions
13mm to 1.08m

Ground Level (mOD)
61.92

Client
Ørsted

Job Number
10549-04-21

Location
586041.4 E 903896 N

Dates
15/06/2022

Engineer
TOBIN Consulting Engineers

Sheet
1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				60.84	1.08	PEAT		
						Complete at 1.08m		

Remarks
Peat Probe refusal at 1.08m BGL

Scale (approx)
1:25

Logged By
JMD

Figure No.
10549-04-21.PP127



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.72m	Ground Level (mOD) 62.73	Client Ørsted	Job Number 10549-04-21
	Location (dGPS) 586023.1 E 903864.3 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				62.01	0.72	PEAT Complete at 0.72m		

Remarks Peat Probe refusal at 0.72m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP128	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.52m	Ground Level (mOD) 86.38	Client Ørsted	Job Number 10549-04-21
	Location 584955.3 E 903076.4 N	Dates 08/09/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				85.86	0.52	PEAT		
						Complete at 0.52m		

Remarks Peat Probe refusal at 0.52m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP129	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.37m	Ground Level (mOD) 67.88	Client Ørsted	Job Number 10549-04-21
	Location 586041.1 E 903821.2 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				67.51	0.37	PEAT Complete at 0.37m		

Remarks Peat Probe refusal at 0.37m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP130	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.47m	Ground Level (mOD) 70.90	Client Ørsted	Job Number 10549-04-21
	Location 586072.5 E 903794.3 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				70.43	0.47	PEAT Complete at 0.47m		

Remarks Peat Probe refusal at 0.47m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP131	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.18m	Ground Level (mOD) 76.29	Client Ørsted	Job Number 10549-04-21
	Location (RTK Float) 586108.5 E 903756.1 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				76.11	(0.18) 0.18	PEAT Complete at 0.18m		

Remarks Peat Probe refusal at 0.18m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP132	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.08m	Ground Level (mOD) 82.16	Client Ørsted	Job Number 10549-04-21
	Location (RTK Float) 586177.1 E 903693.3 N	Dates 15/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				81.08	1.08	PEAT		
						Complete at 1.08m		

Remarks Peat Probe refusal at 1.08m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP133	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.14m	Ground Level (mOD) 86.49	Client Ørsted	Job Number 10549-04-21
	Location 583879.6 E 901773.4 N	Dates 16/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				86.35	(0.14) 0.14	PEAT Complete at 0.14m		

Remarks Peat Probe refusal at 0.14m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP134	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 2.15m	Ground Level (mOD) 136.10	Client Ørsted	Job Number 10549-04-21
	Location 584568.4 E 900163.6 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				133.95	2.15	Complete at 2.15m		

Remarks Peat Probe refusal at 2.15m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP135	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.99m	Ground Level (mOD) 138.91	Client Ørsted	Job Number 10549-04-21
	Location (dGPS) 584429.8 E 900369.8 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				137.92	0.99	Complete at 0.99m		

Remarks Peat Probe refusal at 0.99m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP136	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 3.21m	Ground Level (mOD) 141.25	Client Ørsted	Job Number 10549-04-21
	Location (RTK Float) 584517.9 E 900376 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				138.04	3.21	Complete at 3.21m		

Remarks Peat Probe refusal at 3.21m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP137	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.89m	Ground Level (mOD) 182.22	Client Ørsted	Job Number 10549-04-21
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	Location 584727.9 E 899674.8 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1
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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				181.33	0.89	Complete at 0.89m		

Remarks Peat Probe refusal at 0.89m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP138	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.49m	Ground Level (mOD) 182.63	Client Ørsted	Job Number 10549-04-21
	Location 584684.2 E 899653.6 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				181.14	1.49	Complete at 1.49m		

Remarks Peat Probe refusal at 1.49m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP139	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.64m	Ground Level (mOD) 180.30	Client Ørsted	Job Number 10549-04-21
	Location 584561.4 E 899602.2 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				178.66	1.64	Complete at 1.64m		

Remarks Peat Probe refusal at 1.64m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP140	



Machine : Peat Probe Method : Drive-in Windowless Sampler	Dimensions 13mm to 1.61m	Ground Level (mOD) 174.36	Client Ørsted	Job Number 10549-04-21
	Location 584562.1 E 899658.9 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				172.75	1.61	Complete at 1.61m		

Remarks Peat Probe refusal at 1.61m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP141	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.26m	Ground Level (mOD) 169.29	Client Ørsted	Job Number 10549-04-21
	Location 584561.3 E 899706.7 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				168.03	1.26	Complete at 1.26m		

Remarks Peat Probe refusal at 1.26m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP142	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.76m	Ground Level (mOD) 154.01	Client Ørsted	Job Number 10549-04-21
	Location 584562.8 E 899779.3 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				153.25	0.76	PEAT Complete at 0.76m		

Remarks Peat Probe refusal at 0.76m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP143	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.14m	Ground Level (mOD) 147.49	Client Ørsted	Job Number 10549-04-21
	Location 584564.8 E 899856.3 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				147.35	(0.14) 0.14	PEAT Complete at 0.14m		

Remarks Peat Probe refusal at 0.14m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP144	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.82m	Ground Level (mOD) 138.27	Client Ørsted	Job Number 10549-04-21
	Location 584570.1 E 899956.1 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				137.45	0.82	PEAT		
						Complete at 0.82m		

Remarks Peat Probe refusal at 0.82m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP145	



Machine : Peat Probe Method : Peat Probe		Dimensions 13mm to 1.31m	Ground Level (mOD) 180.48	Client Ørsted	Job Number 10549-04-21
		Location 584517.4 E 899558.9 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				179.17	1.31	PEAT		
						Complete at 1.31m		

Remarks Peat Probe refusal at 1.31m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP146	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 0.65m	Ground Level (mOD) 177.68	Client Ørsted	Job Number 10549-04-21
	Location 584478.4 E 899518.9 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				177.03	0.65	PEAT Complete at 0.65m		

Remarks Peat Probe refusal at 0.65m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP147	



Machine : Peat Probe Method : Drive-in Windowless Sampler	Dimensions 13mm to 1.83m	Ground Level (mOD) 171.85	Client Ørsted	Job Number 10549-04-21
	Location 584449 E 899481.6 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				170.02	1.83	Complete at 1.83m		

Remarks Peat Probe refusal at 1.83m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP148	



Machine : Peat Probe Method : Drive-in Windowless Sampler	Dimensions 13mm to 1.33m	Ground Level (mOD) 168.73	Client Ørsted	Job Number 10549-04-21
	Location 584424.5 E 899452 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						PEAT		
				167.40	1.33	Complete at 1.33m		

Remarks Peat Probe refusal at 1.33m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP149	



Machine : Peat Probe Method : Peat Probe	Dimensions 13mm to 1.60m	Ground Level (mOD) 180.34	Client Ørsted	Job Number 10549-04-21
	Location 584545.4 E 899588.4 N	Dates 14/06/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
				178.74	(1.60) 1.60	PEAT		
						Complete at 1.60m		

Remarks Peat Probe refusal at 1.60m BGL	Scale (approx) 1:25	Logged By JMD
	Figure No. 10549-04-21.PP150	

APPENDIX 5 - Rotary Borehole Records





Machine : Beretta T41		Casing Diameter 96mm cased to 10.00m		Ground Level (mOD) 96.50		Client Ørsted		Job Number 10549-04-21	
Flush : Water		Location 584116.8 E 901656.3 N		Dates 14/07/2022- 15/07/2022		Engineer TOBIN Consulting Engineers		Sheet 1/1	
Core Dia: 64 mm									
Method : Rotary Cored									

Depth (m)	TCR (%)	SCR (%)	RQD (%)	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00						96.30	(0.20) 0.20	Firm brown slightly gravelly fibrous PEAT (Topsoil)		
	30						(2.30)	Poor Recovery. Recovery consists of spongy brown pseudofibrous PEAT. Driller notes Peat.		
2.50 2.50-2.95					1,0/0,1,0,0 SPT(C) N=1	94.00	2.50	Plastic dark brown pseudofibrous PEAT (Very Soft).		
	65						(1.50)			
4.00 4.00-4.45					1,0/1,0,0,0 SPT(C) N=1	92.50	4.00	Very soft grey slightly silty slightly sandy slightly gravelly CLAY.		
	59						(1.30)			
5.50 5.50-5.95					2,1/1,2,3,3 SPT(C) N=9	91.20 91.00	5.30 (0.20) 5.50	Very soft grey slightly silty slightly sandy gravelly CLAY. Gravel is fine to coarse angular to subrounded.		
	22						(1.50)	Poor Recovery. Recovery consists of grey / red fine to coarse subangular to subrounded GRAVEL. Driller notes Gravel (Loose).		
7.00 7.00-7.06					25,25/50 SPT(C) 50*/60 50/0	89.50	7.00	Strong red medium to coarsely crystalline GRANITE. Slightly Weathered.		
	91	79	36				(3.00)	7.00m - 10.00m BGL: 2 Fracture Sets: F1: 5 - 25 degrees, very close to medium spaced, planar to undulating, rough, occasional orange to brown oxidation staining. F2: 60 - 80 degrees, very close to medium spaced, planar, rough, frequent orange to brown oxidation staining.		
8.50				10						
	100	91	63							
10.00						86.50	10.00			

Remarks No groundwater encountered Borehole complete at 10.00m BGL Borehole backfilled on completion	Scale (approx)	Logged By
	1:50	JMD
	Figure No. 10549-04-21.BH02	



Machine : Beretta T41 Flush : Water Core Dia: 64 mm Method : Rotary Cored	Casing Diameter 96mm cased to 5.50m	Ground Level (mOD) 131.00	Client Ørsted	Job Number 10549-04-21
	Location 586345.7 E 902573.3 N	Dates 19/07/2022	Engineer TOBIN Consulting Engineers	Sheet 1/1

Depth (m)	TCR (%)	SCR (%)	RQD (%)	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00	86					130.60	(0.40)	MADE GROUND: Recovery consists of light grey Cobbles of Granite with a little finer material. Finer material consists of light grey slightly sandy fine to coarse subangular to subrounded Gravel. Driller notes Cobbles.		
130.20						(0.40)	Spongy dark brown slightly sandy pseudofibrous PEAT.			
128.90						(1.30)	Recovery consists of light to dark grey COBBLES and BOULDERS of Granite with some finer material. Finer material consists of light to dark grey fine to coarse angular to subrounded Gravel. Driller notes Boulders with Gravel.			
2.10	100	80	0	15	25.25/50 SPT(C) 50*/70 50/0	128.40	(0.50)	Strong dark grey coarsely crystalline GRANODIORITE. Moderately Weathered.		
2.50 2.50-2.57	100	90	54			128.40	(2.60)	Strong dark grey coarsely crystalline GRANODIORITE. Slightly Weathered.		
3.20				93	92	67	5		2.10m - 3.10m BGL: 3 Fracture Sets: F1: 0 - 20 degrees, very close to closely spaced, planar to undulating, rough, rare orange to brown oxidation staining. F2: 40 - 60 degrees, close to medium spaced, planar to undulating, rough, occasional orange to brown oxidation staining. F3: 1 Fracture at 80 - 90 degrees from 2.10m to 2.0m BGL, undulating, rough, slight sandy clay smearing and orange to brown oxidation staining.	
4.00										3.20m - 5.50m BGL: 2 Fracture Sets: F1: 0 - 20 degrees, close to medium spaced, planar to undulating, rough. F2: 55 - 75 degrees, widely spaced, planar, rough, occasional brown oxidation staining.
5.50						125.50	5.50	Complete at 5.50m		

Remarks No groundwater encountered Borehole complete at 5.50m BGL Borehole backfilled on completion	Scale (approx)	Logged By
	1:50	JMD
	Figure No. 10549-04-21.BH03	

Clogherachullion Wind Farm
Rotary Core Photographs



BH02



BH02



BH03



BH03

APPENDIX 5 – Laboratory Testing



National Materials Testing Laboratory Ltd.

SUMMARY OF TEST RESULTS

National Materials Testing Laboratory Ltd.															
SUMMARY OF TEST RESULTS															
BH/TP	Depth	sample	Moisture	Particle			Index Properties		Bulk	Cell	Undrained Triaxial Test		Lab	Remarks	
No	m	No.	%	Density	<425um	LL	PL	PI	Density	Presssure	Compressive	Strain at	Vane		
				Mg/m3	%	%	%	%	Mg/m3	kPa	Stress kPa	Failure %	kPa		
TP06	0.50	B	1075.0												
TP06	2.50	B	1161		98.8	960	266	714							
TP07	1.20	B	412.0												
TP08	1.50	B	23.6	1.75	13.8	63	35	28							
TP10	1.00	B	717.0												
TP11	0.50	B	788.0												
TP15	1.00	B	684.0												
TP16	0.50	B	662.0												
TP17	1.50	B	53.0												
TP20	1.00	B	718.0												
TP22	0.50	B	141.2												
TP22	1.30	B	28.0												
TP24	0.50	B	274.0												
TP24	1.50	B	19.8												
TP25	0.90	B	277.0												
TP26	1.50	B	25.6												
TP29	0.50	B	478.0												
TP31	1.00	B	819.0												
TP32	0.30	B	984.0												
TP32	0.80	B	50.3												
TP34	1.00	B	694.0												
TP35	0.30	B	442.0												
NMTL		Notes :									Job ref No.	NMTL 358	GII Project ID:	N/A	
		1. All BS tests carried out using preferred (definitive) method unless oth									Location	Cloherachullion Wind Farm, Donegal			

National Materials Testing Laboratory Ltd.

SUMMARY OF TEST RESULTS

				Particle		Index Properties			Bulk	Cell	Undrained Triaxial Test		Lab		
BH/TP	Depth	sample	Moisture	Density	<425um	LL	PL	PI	Density	Presssure	Compressive	Strain at	Vane	Remarks	
No	m	No.	%	Mg/m3	%	%	%	%	Mg/m3	kPa	Stress kPa	Failure %	kPa		
GC01	0.0-0.50	T	755												
GC01	0.50-0.90	T	792												
GC02	0.0-0.50	T	684												
GC03	0.0-0.50	T	379												
GC04	0.0-0.50	T	887												
GC04	0.50-1.00	T	698												
GC05	0.0-0.40	T	413												
GC06	0.0-0.45	T	598												
GC07	0.0-0.50	T	565												
GC08	0.0-0.50	T	599												
GC09	0.0-0.35	T	332												
GC10	0.0-0.50	T	700												
GC11	0.0-0.50	T	807												
GC11	0.50-1.00	T	1056												
GC11	1.00-1.50	T	1426												
GC11	1.50-2.00	T	1239												
GC11	2.00-2.50	T	1177												
GC11	2.50-2.95	T	1170												
GC13	0.0-0.50	T	792												
GC14	0.0-0.50	T	1441												
GC14	0.50-1.00	T	1264												
GC14	1.00-1.50	T	465												
GC14	1.50-2.00	T	1251												
GC14	2.00-2.50	T	1003												
GC15	2.50-2.95	T	640												
GC16	0.0-0.50	T	983												
NMTL		Notes :									Job ref No.	NMTL 358	GII Project ID:	N/A	
		1. All BS tests carried out using preferred (definitive) method unless oth									Location	Cloherachullion Wind Farm, Donegal			

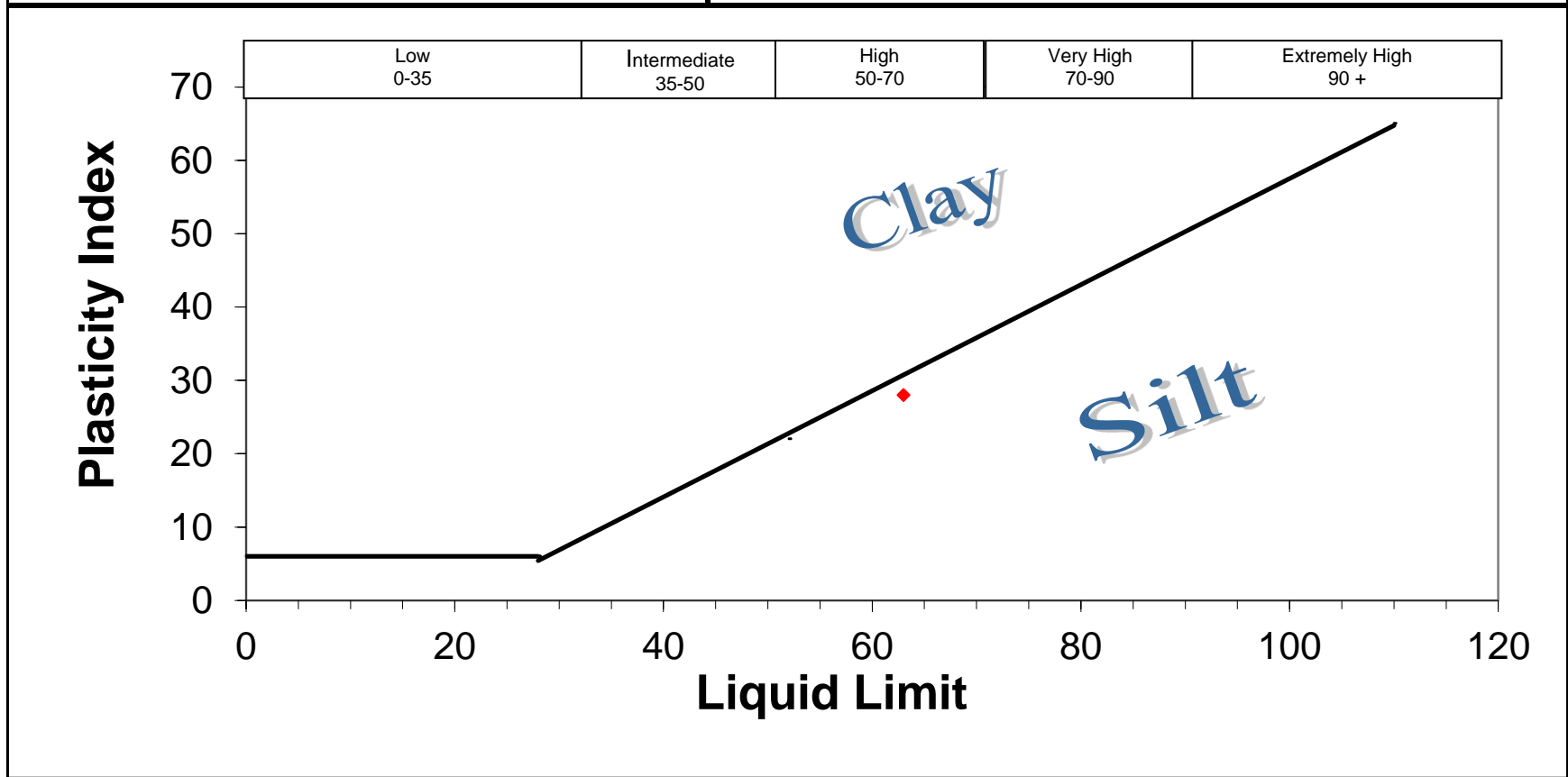
National Materials Testing Laboratory Ltd.

SUMMARY OF TEST RESULTS

BH/TP	Depth	sample	Moisture	Particle Density	<425um	LL	PL	PI	Bulk Density	Cell Pressure	Undrained Triaxial Test	Lab	Remarks		
No	m	No.	%	Mg/m3	%	%	%	%	Mg/m3	kPa	Compressive Stress kPa	Strain at Failure %	Vane kPa		
GC16	0.50-1.00	T	1014												
GC16	1.00-1.40	T	792												
GC17	0.0-0.45	T	623												
GC18	0.0-0.30	T	590												
GC19	0.0-0.50	T	1057												
GC19	0.50-0.85	T	867												
GC20	0.0-0.50	T	1120												
GC20	0.50-1.00	T	1250												
GC20	1.00-1.50	T	1200												
GC20	1.50-2.00	T	1095												
GC21	0.0-0.50	T	862												
GC21	0.5-0.90	T	690												
GC101	0.0-0.35	T	557												
GC151	0.0-0.50	T	934												
GC151	0.50-1.00	T	1010												
GC152	0.0-0.50	T	705												
GC152	0.50-1.00	T	746												
NMTL		Notes :	1. All BS tests carried out using preferred (definitive) method unless oth								Job ref No.	NMTL 358	GII Project ID:	N/A	
											Location	Cloherachullion Wind Farm, Donegal			

NMTL LTD
Unit 18c, Tullow Industrial Estate
Tullow
County Carlow
Tel: 00353 59 9180822
Mob: 00353 872575508
billa@nmtl.ie

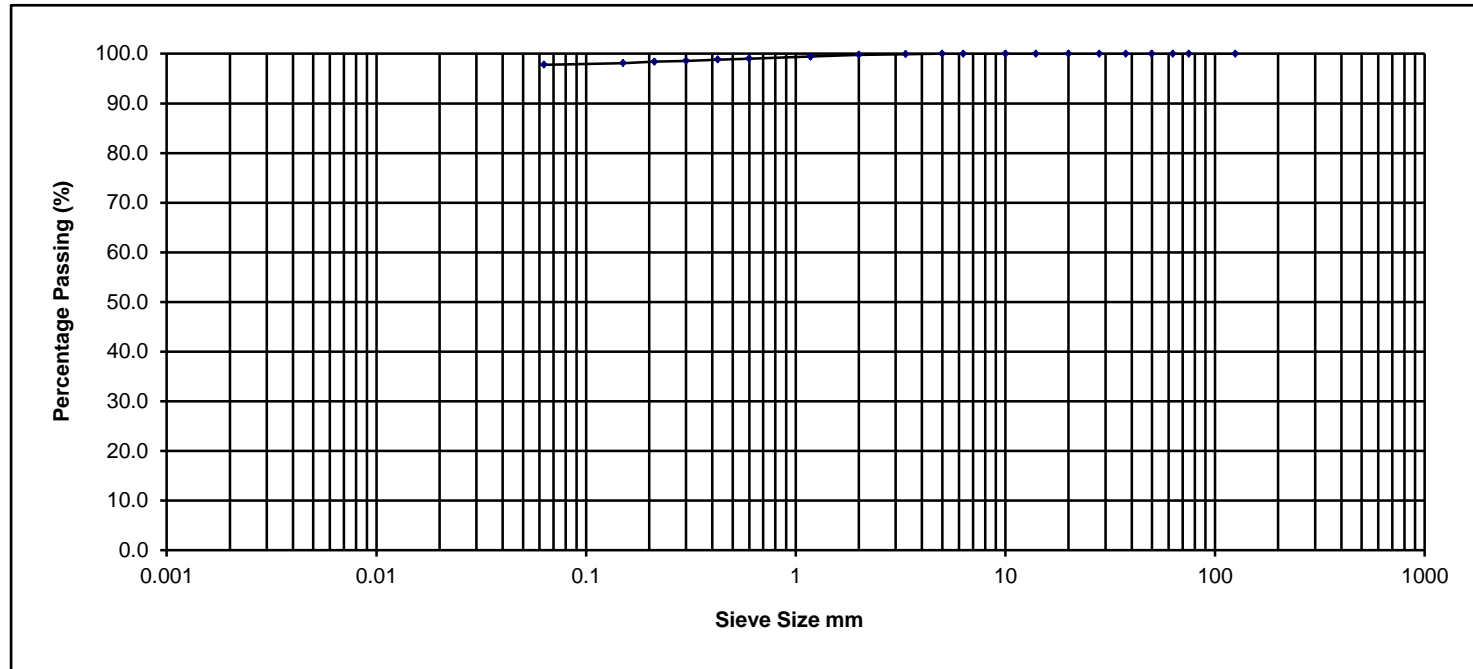
Contract: Cloherachullion Wind Farm, Donegal
Client: Ground Investigations Ireland Ltd
Engineer: Conor Finnerty
GII Project ID: N/A
Date: 28/10/2022
Tested By: Sb **Checked:** Bc
Job ref No.: NMTL 3584



NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	100.0
20.000	100.0
14.000	100.0
10.000	100.0
6.300	100.0
5.000	100.0
3.350	99.9
2.000	99.8
1.180	99.4
0.600	99.0
0.425	98.8
0.300	98.6
0.212	98.4
0.150	98.1
0.063	97.8

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
	Silt			Sand			Gravel				
	97.8			2.0			0.2			0.0	0.0

Sample Description Dark brown/black slightly sandy SILT.

Project No. NMTL3584

Sands and silts are generally peat fibres, with a small amount of silt.

BH/TP No. TP06

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

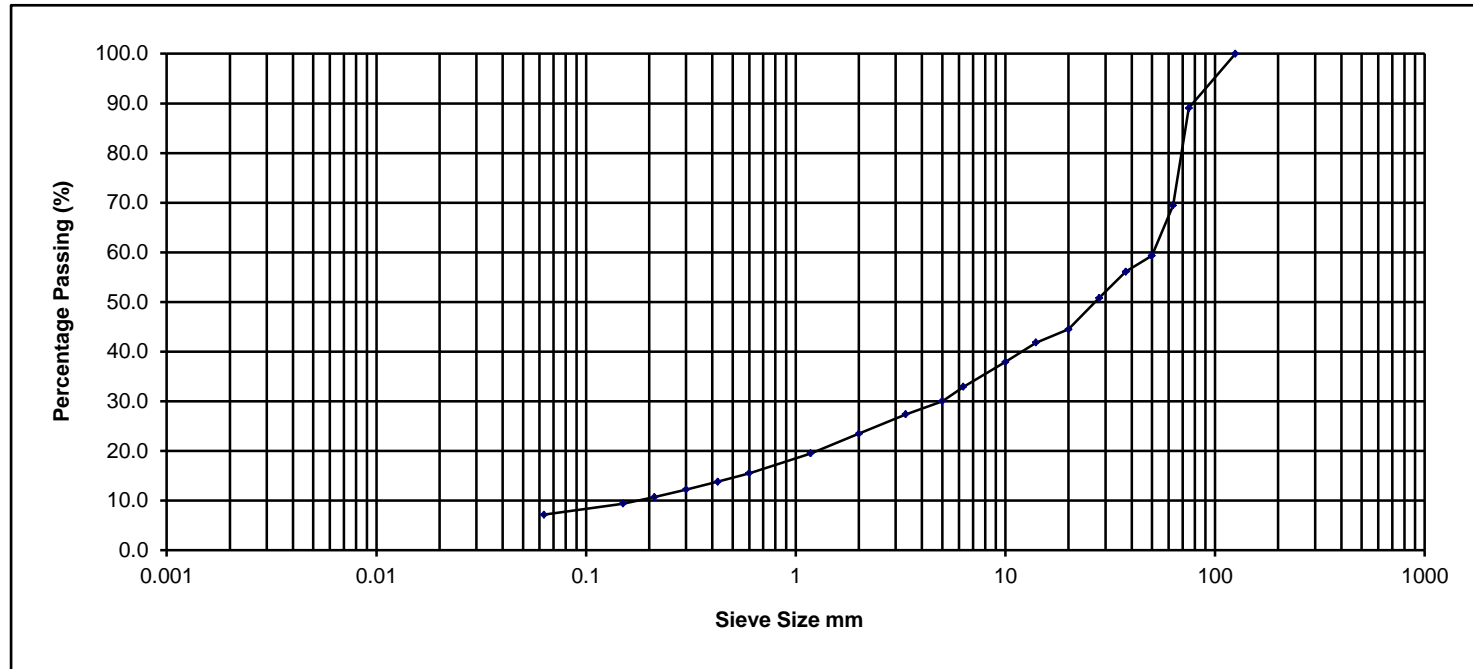
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	2.50m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	89.1
63.000	69.5
50.000	59.3
37.500	56.1
28.000	50.8
20.000	44.5
14.000	41.8
10.000	37.9
6.300	32.9
5.000	30.0
3.350	27.4
2.000	23.5
1.180	19.5
0.600	15.5
0.425	13.8
0.300	12.2
0.212	10.7
0.150	9.4
0.063	7.2

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	7.2			16.3			46.0			30.5	0.0

Sample Description Dark brown silty sandy GRAVEL.
sample is made up of peaty gravel.

Project No. NMTL3584
BH/TP No. TP08

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021 Sample No. B

NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	24/10/2022	Depth	1.50m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	72.0
63.000	66.8
50.000	64.0
37.500	62.3
28.000	58.1
20.000	53.2
14.000	50.2
10.000	47.1
6.300	41.2
5.000	38.0
3.350	34.8
2.000	29.2
1.180	24.3
0.600	18.8
0.425	16.2
0.300	13.7
0.212	11.3
0.150	9.3
0.063	6.2

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	6.2			23.0			37.7			33.2	0.0

Sample Description Grey/brown silty very sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP09

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

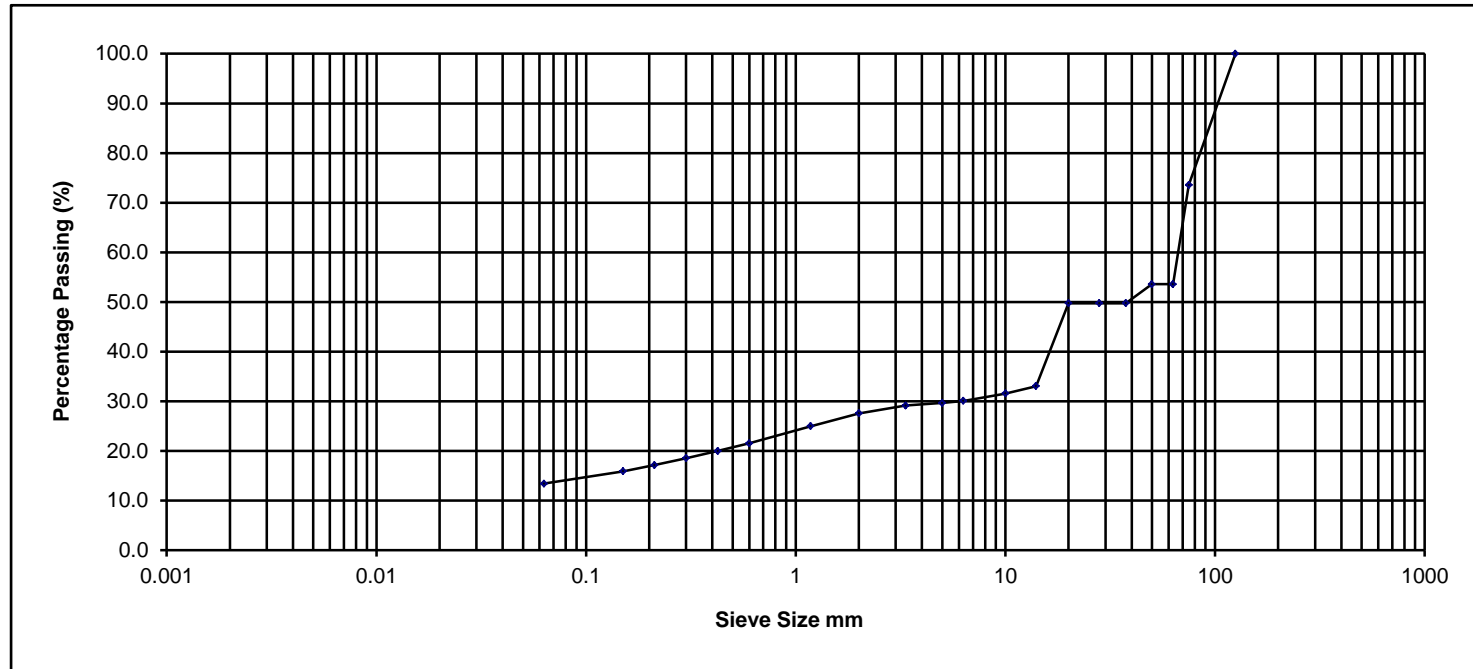
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.00m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	73.6
63.000	53.6
50.000	53.6
37.500	49.7
28.000	49.7
20.000	49.7
14.000	33.0
10.000	31.6
6.300	30.1
5.000	29.7
3.350	29.2
2.000	27.6
1.180	25.0
0.600	21.5
0.425	20.0
0.300	18.5
0.212	17.2
0.150	15.9
0.063	13.4

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	13.4			14.2			26.0			46.4	0.0

Sample Description Dark brown black silty sandy GRAVEL with cobbles.

Project No. NMTL3584

BH/TP No. TP11

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

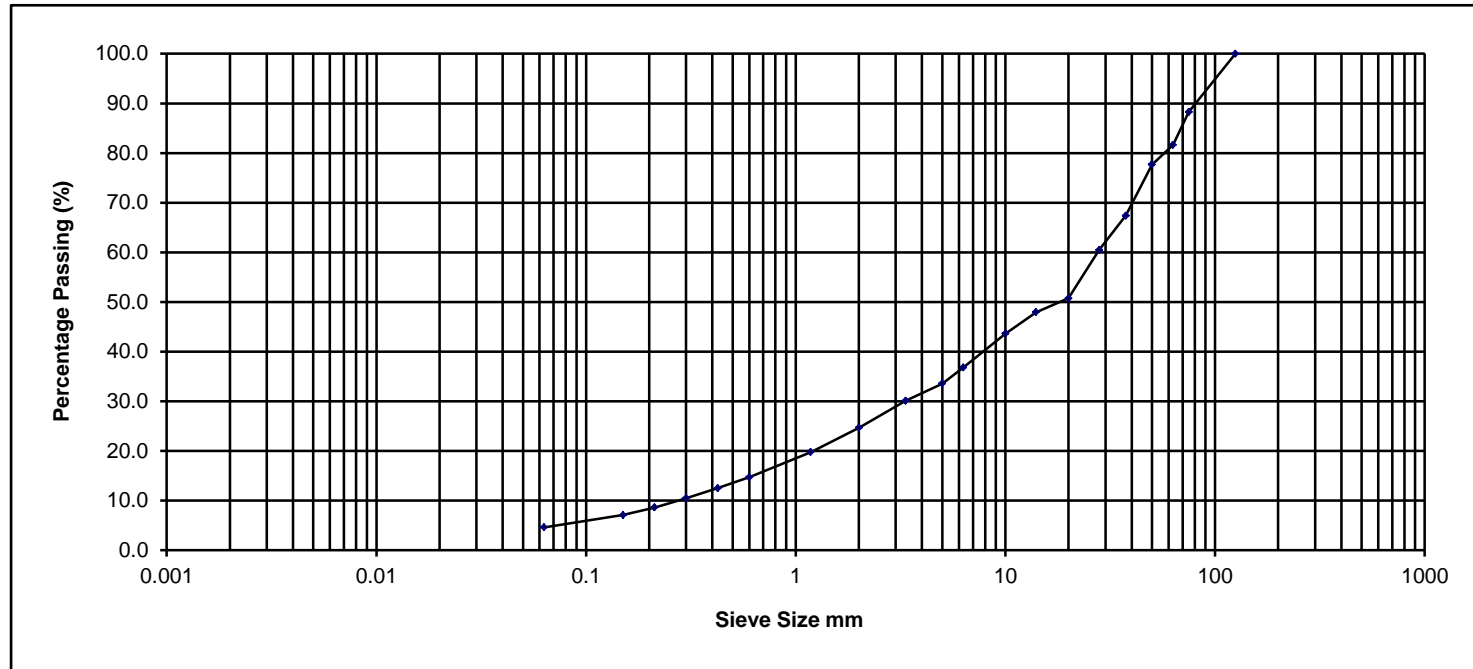
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.30m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	88.3
63.000	81.6
50.000	77.7
37.500	67.4
28.000	60.5
20.000	50.8
14.000	47.9
10.000	43.6
6.300	36.8
5.000	33.6
3.350	30.1
2.000	24.7
1.180	19.8
0.600	14.7
0.425	12.5
0.300	10.5
0.212	8.6
0.150	7.1
0.063	4.6

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	4.6			20.1			57.0			18.4	0.0

Sample Description Brown silty very sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP15

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

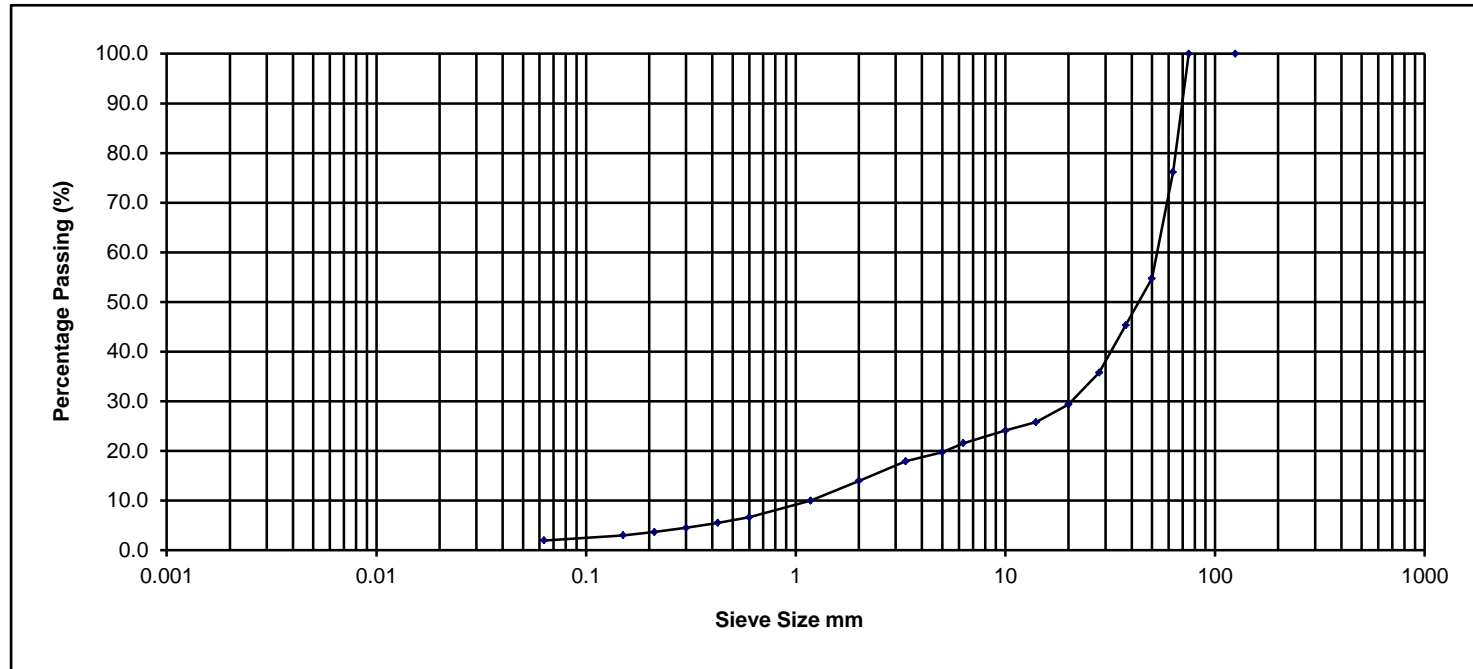
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	2.00m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	76.1
50.000	54.7
37.500	45.3
28.000	35.8
20.000	29.4
14.000	25.8
10.000	24.1
6.300	21.6
5.000	19.7
3.350	17.9
2.000	14.0
1.180	10.0
0.600	6.7
0.425	5.5
0.300	4.5
0.212	3.7
0.150	3.0
0.063	2.0

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	2.0			12.0			62.2			23.9	0.0

Sample Description Brown slightly sandy fine to coarse GRAVEL.

Project No. NMTL3584

BH/TP No. TP17

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

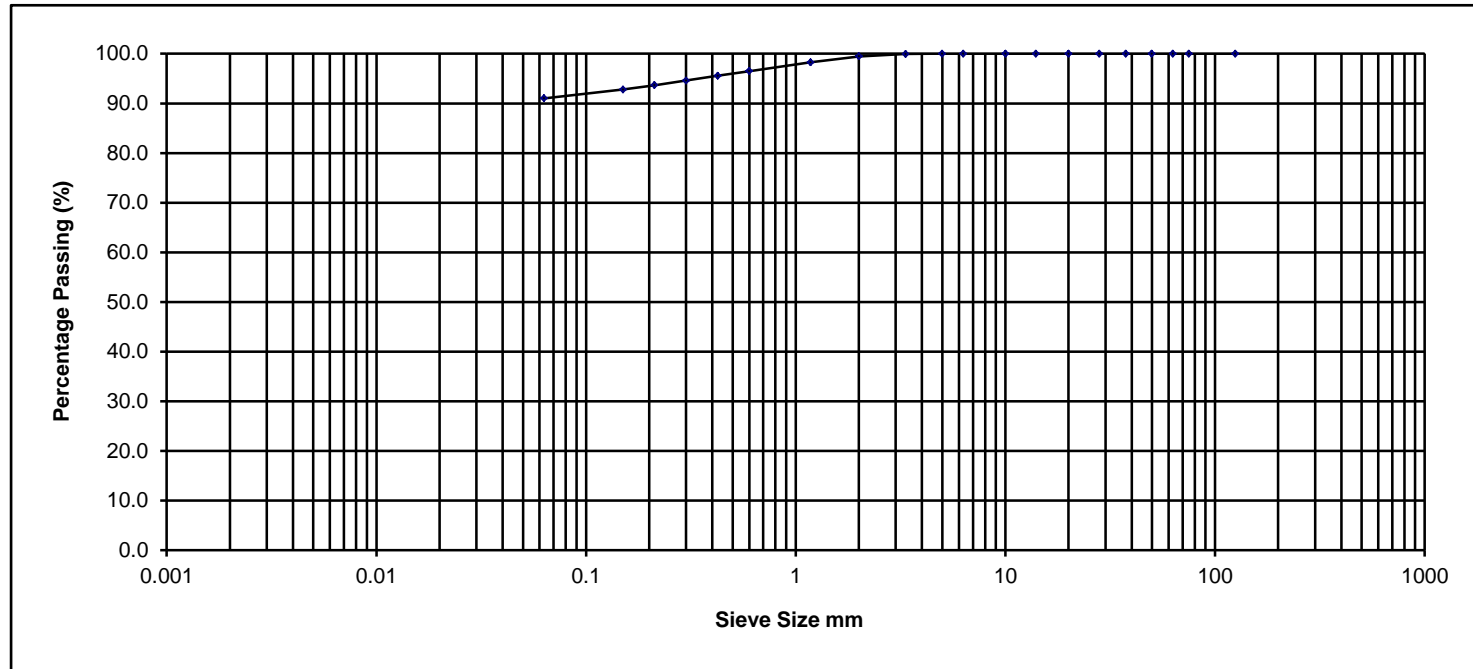
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.50m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	100.0
20.000	100.0
14.000	100.0
10.000	100.0
6.300	100.0
5.000	100.0
3.350	100.0
2.000	99.5
1.180	98.3
0.600	96.5
0.425	95.6
0.300	94.6
0.212	93.6
0.150	92.8
0.063	91.0

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
	Silt			Sand			Gravel				
	91.0			8.5			0.5			0.0	0.0

Sample Description Dark brown /black PEAT. Sand and silt are fibers of peat.

Project No. NMTL3584

BH/TP No. TP20

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

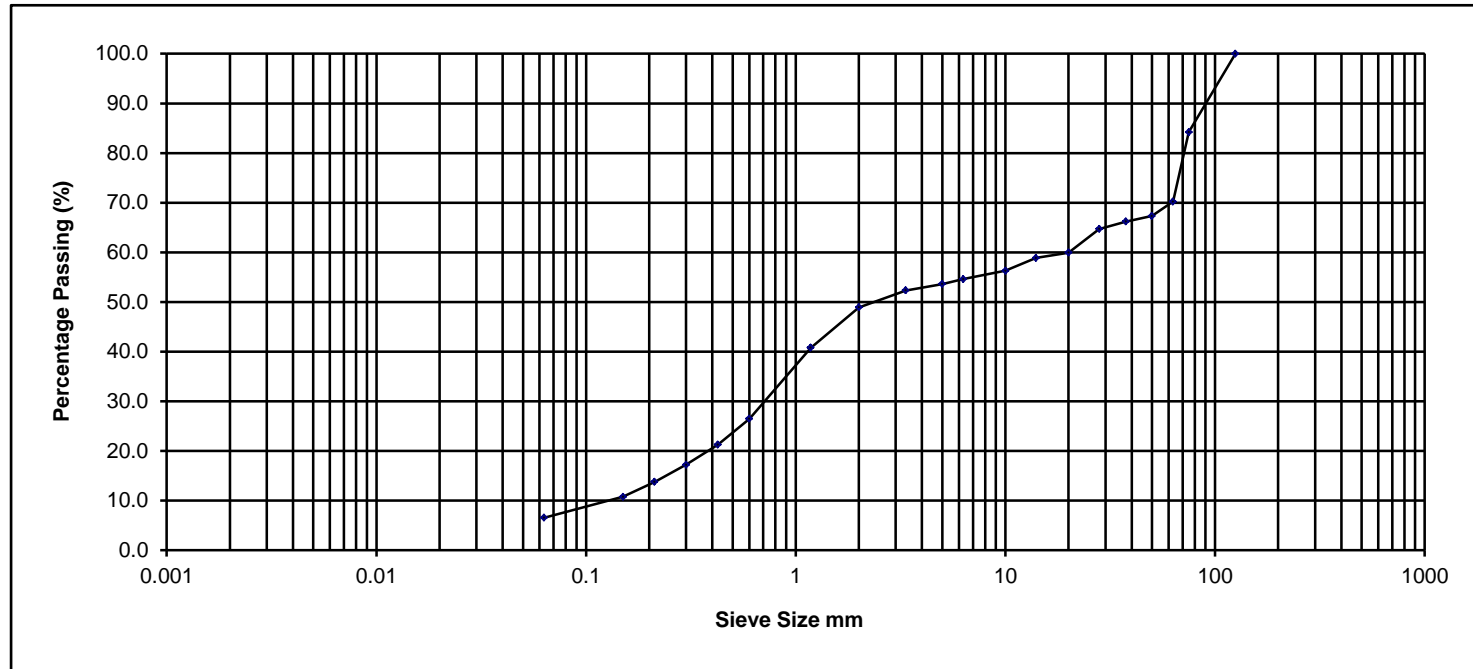
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.00m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	84.2
63.000	70.2
50.000	67.3
37.500	66.2
28.000	64.7
20.000	60.0
14.000	58.9
10.000	56.3
6.300	54.6
5.000	53.6
3.350	52.3
2.000	48.9
1.180	40.8
0.600	26.5
0.425	21.2
0.300	17.2
0.212	13.8
0.150	10.8
0.063	6.6

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	6.6			42.3			21.3			29.8	0.0

Sample Description Brown silty gravelly SAND.

Project No. NMTL3584

BH/TP No. TP22

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

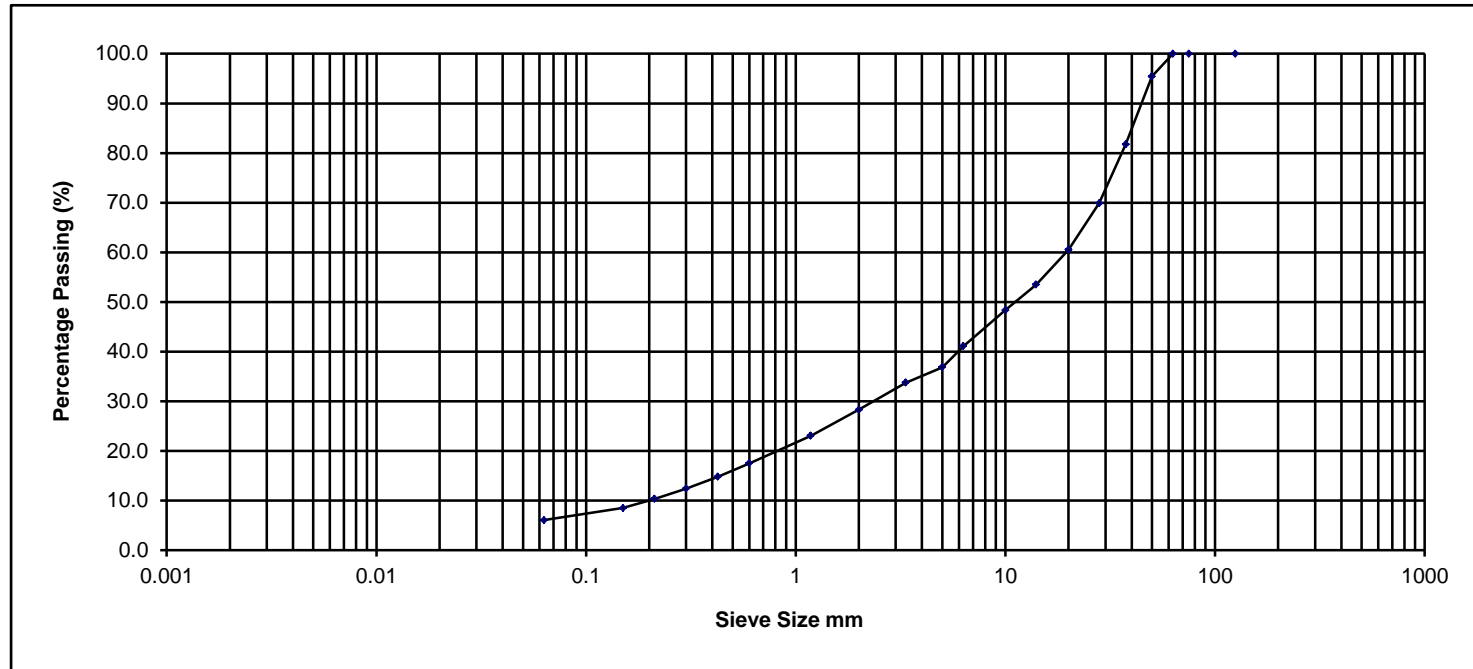
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.30m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	95.4
37.500	81.8
28.000	69.9
20.000	60.5
14.000	53.5
10.000	48.4
6.300	41.1
5.000	36.8
3.350	33.8
2.000	28.3
1.180	23.1
0.600	17.5
0.425	14.8
0.300	12.4
0.212	10.3
0.150	8.5
0.063	6.1

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	6.1			22.2			71.7			0.0	0.0

Sample Description Dark brown silty very sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP24

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

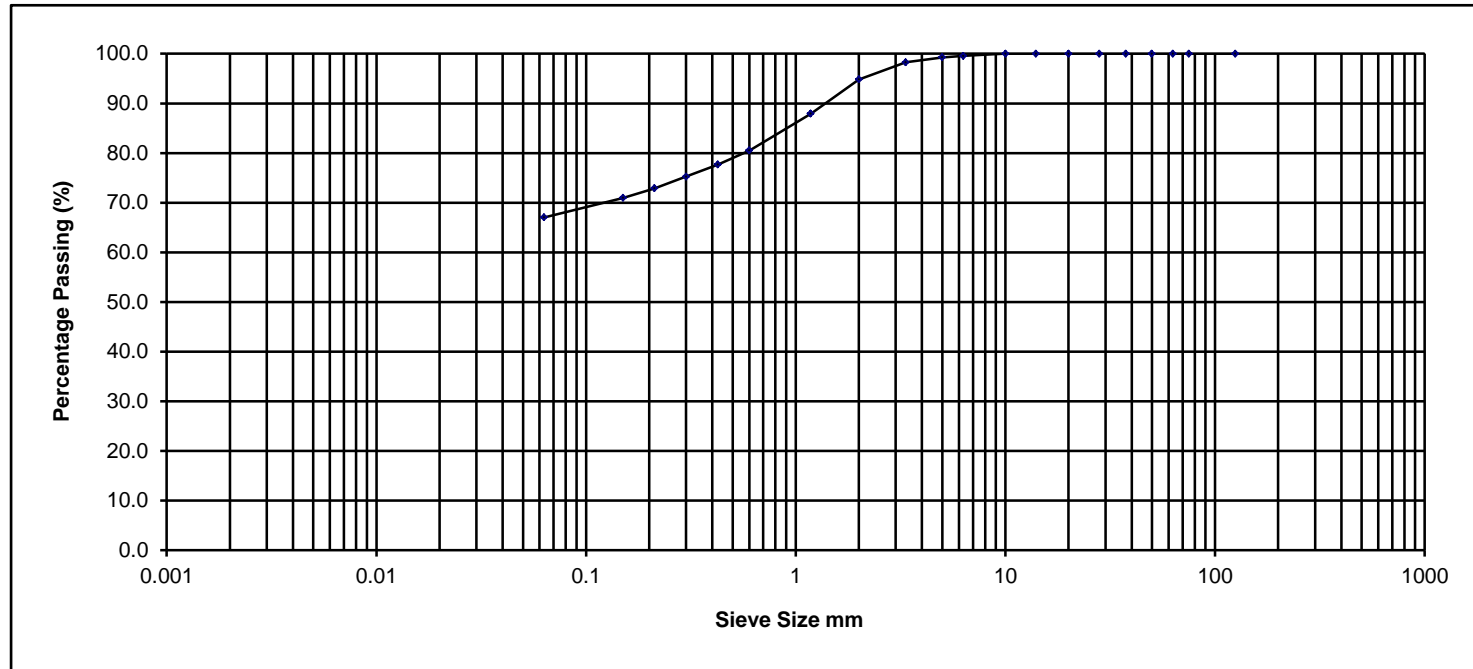
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.50m
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NMTL Ltd

Sieve	%
Size mm	Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	100.0
20.000	100.0
14.000	100.0
10.000	100.0
6.300	99.5
5.000	99.3
3.350	98.3
2.000	94.8
1.180	87.9
0.600	80.5
0.425	77.7
0.300	75.3
0.212	72.9
0.150	71.0
0.063	67.0

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	67.0			27.8			5.2			0.0	0.0

Sample Description Dark brown /black slightly gravelly slightly sandy SILT. (PEAT)
Sample contains root fibre.

Project No. NMTL3584
BH/TP No. TP25

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021 Sample No. B

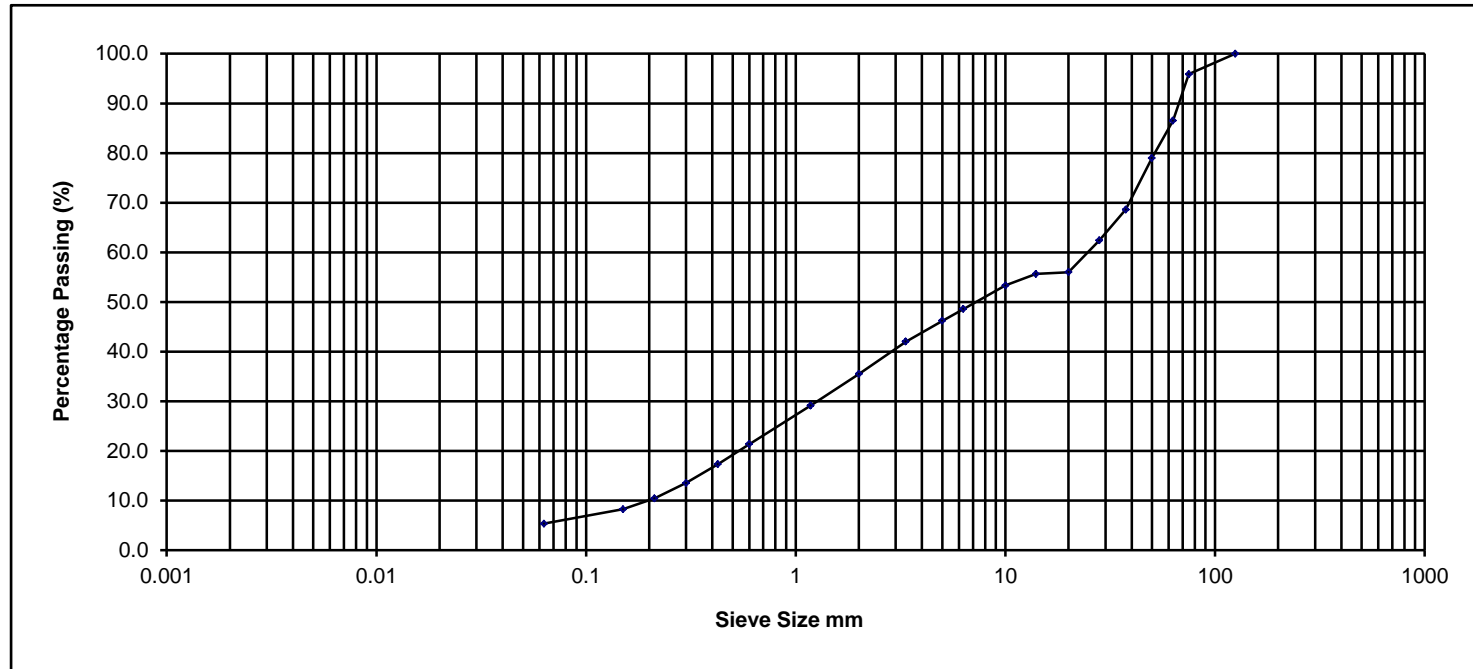
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	0.90m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	95.9
63.000	86.5
50.000	79.0
37.500	68.6
28.000	62.4
20.000	56.0
14.000	55.7
10.000	53.3
6.300	48.6
5.000	46.2
3.350	42.0
2.000	35.5
1.180	29.1
0.600	21.4
0.425	17.3
0.300	13.5
0.212	10.5
0.150	8.3
0.063	5.4

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	5.4			30.1			51.0			13.5	0.0

Sample Description Dark brown/black silty very sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP26

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

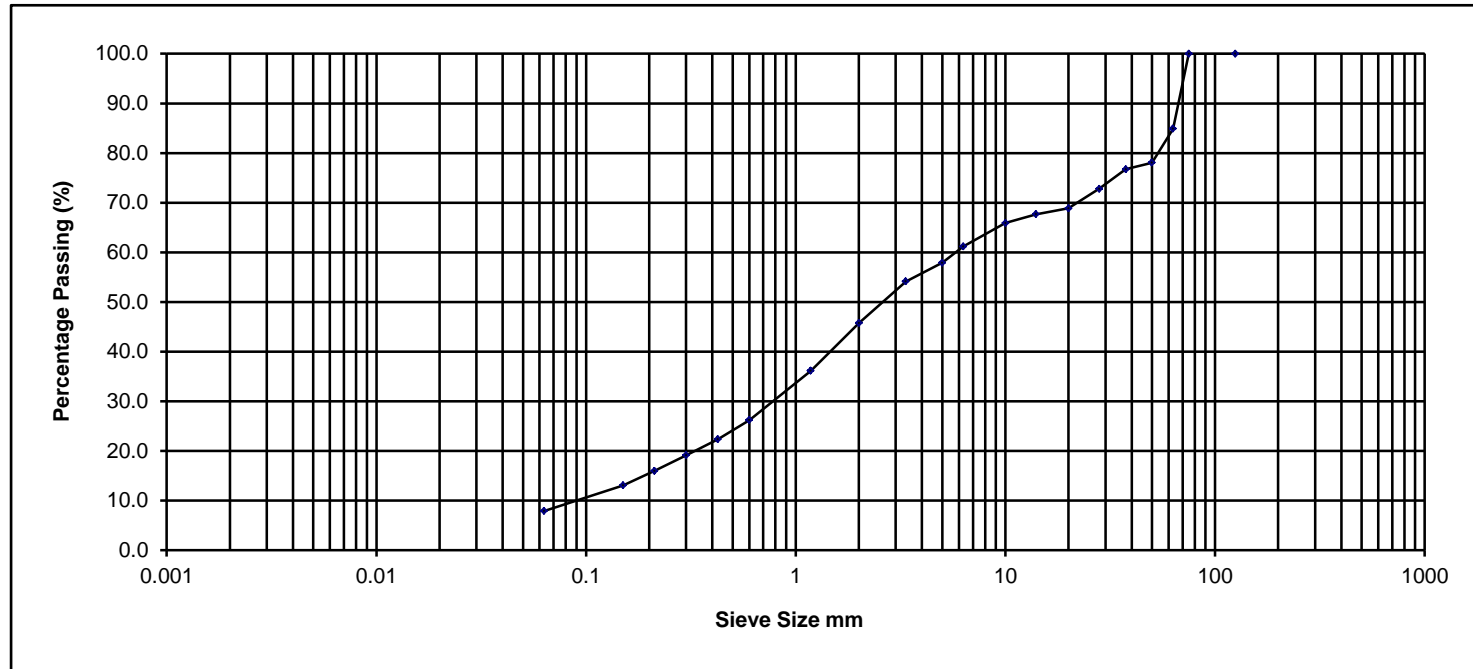
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.50m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	84.9
50.000	78.1
37.500	76.7
28.000	72.8
20.000	68.9
14.000	67.7
10.000	65.9
6.300	61.2
5.000	57.9
3.350	54.1
2.000	45.8
1.180	36.1
0.600	26.2
0.425	22.3
0.300	19.1
0.212	16.0
0.150	13.1
0.063	7.9

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	7.9			37.9			39.2			15.1	0.0

Sample Description Grey/brown silty very sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP28

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

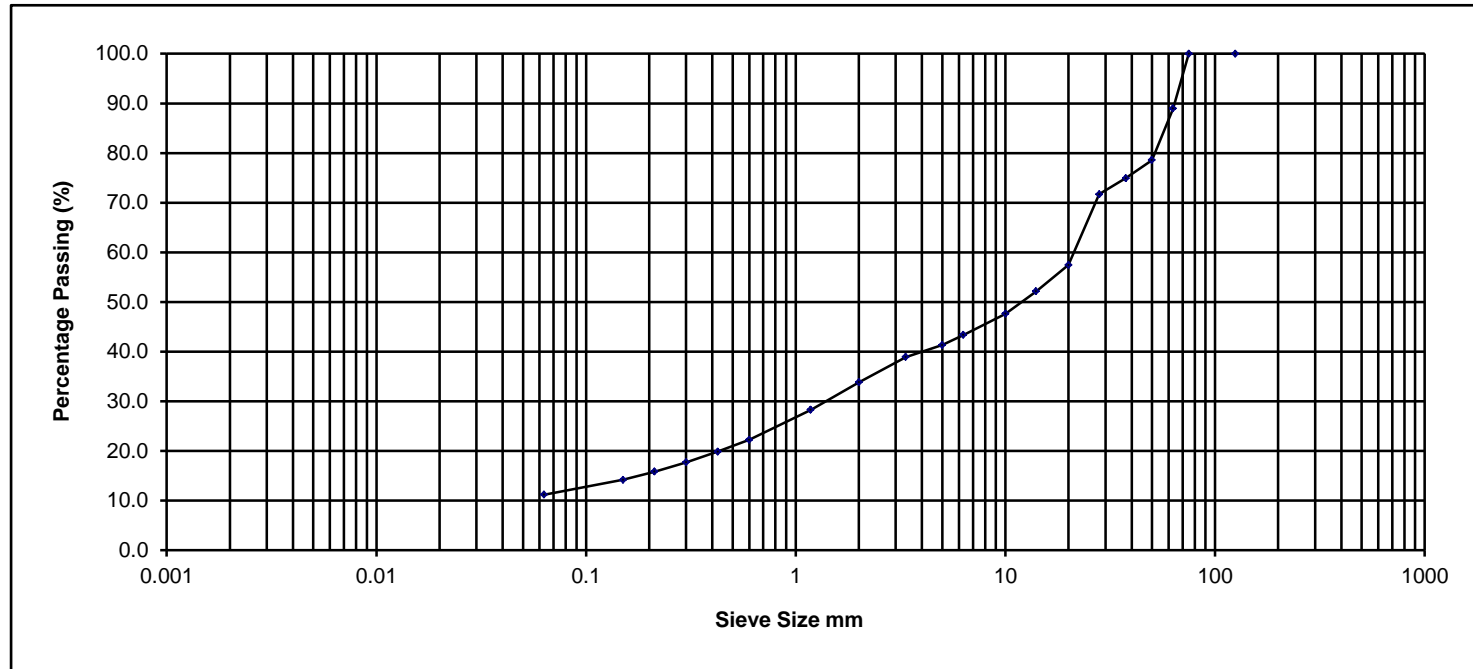
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.50m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	89.0
50.000	78.6
37.500	74.9
28.000	71.7
20.000	57.5
14.000	52.1
10.000	47.6
6.300	43.4
5.000	41.3
3.350	38.9
2.000	33.8
1.180	28.3
0.600	22.3
0.425	19.9
0.300	17.7
0.212	15.8
0.150	14.2
0.063	11.2

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	11.2			22.6			55.1			11.0	0.0

Sample Description Brown/orange silty very sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP29

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

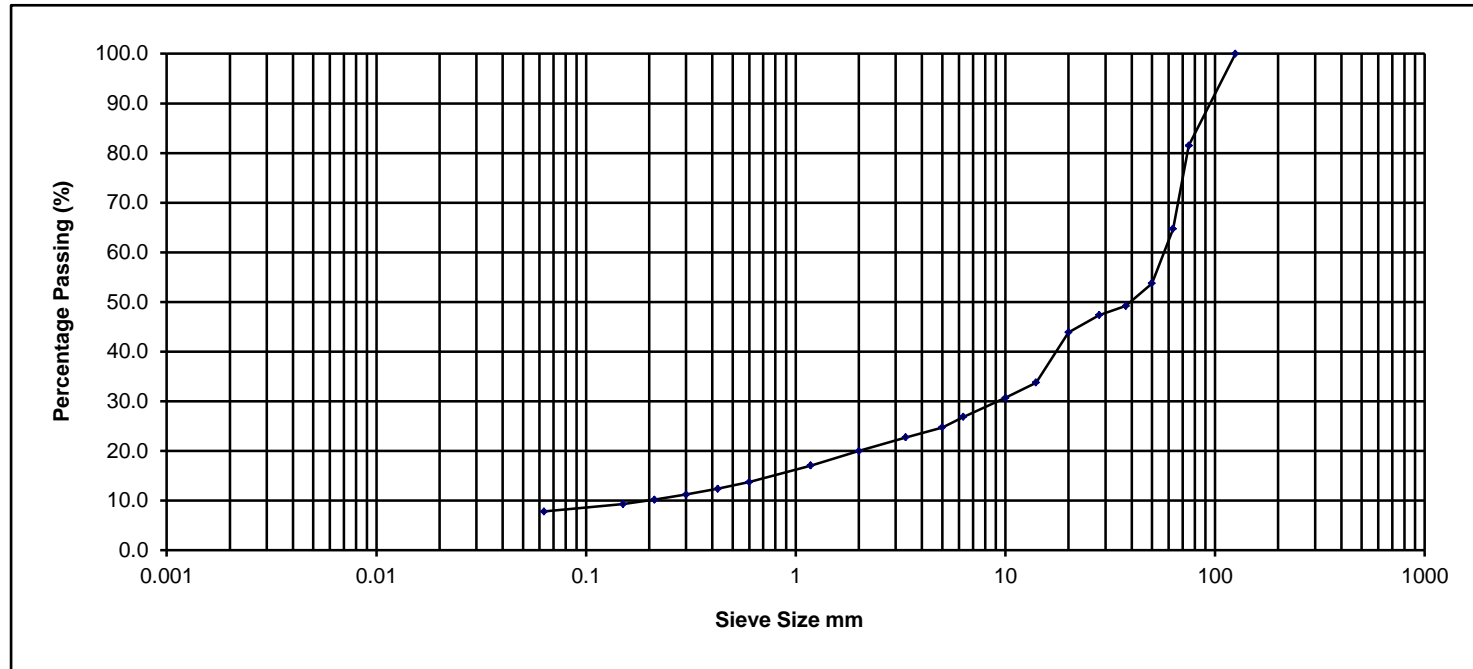
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	1.30m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	81.5
63.000	64.7
50.000	53.8
37.500	49.2
28.000	47.4
20.000	43.9
14.000	33.8
10.000	30.7
6.300	26.9
5.000	24.7
3.350	22.7
2.000	20.0
1.180	17.1
0.600	13.7
0.425	12.4
0.300	11.2
0.212	10.2
0.150	9.3
0.063	7.8

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	7.8			12.2			44.7			35.3	0.0

Sample Description Dark brown/black silty sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP32

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

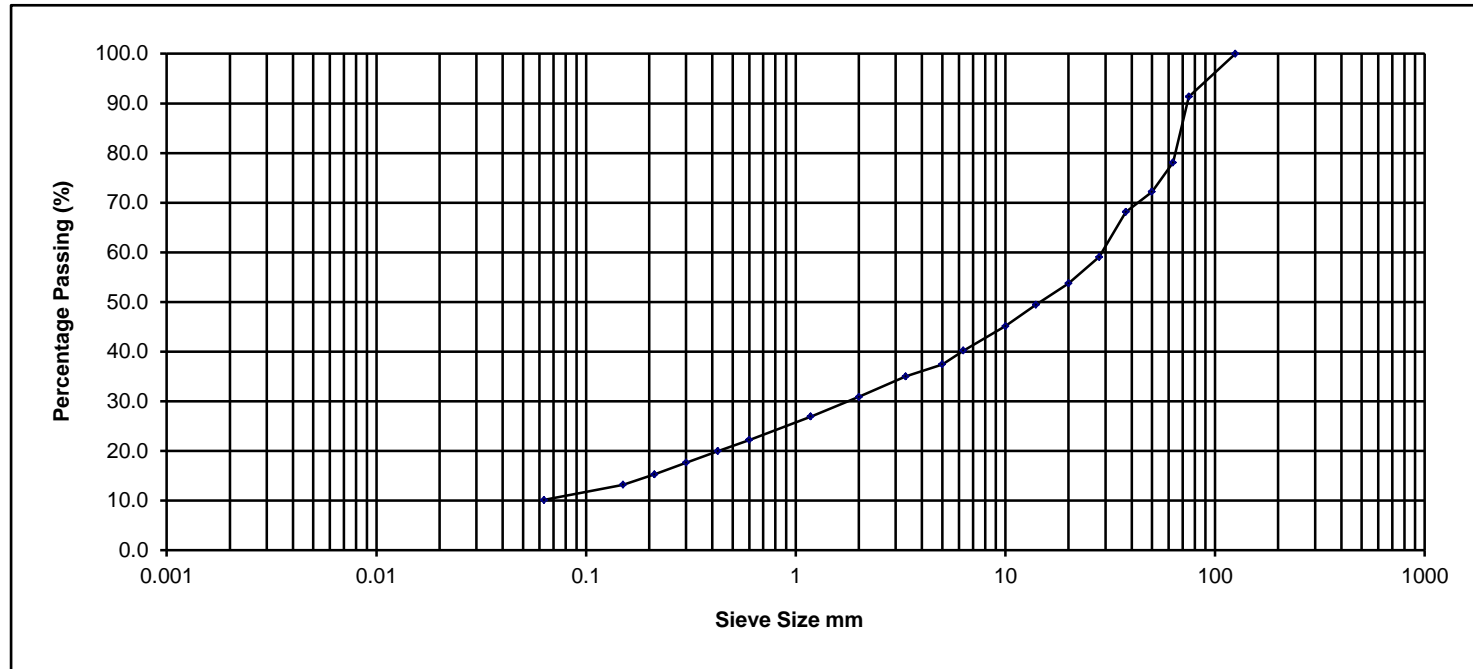
NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	0.80m
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NMTL Ltd

Sieve Size mm	% Passing
125.000	100.0
75.000	91.3
63.000	78.1
50.000	72.2
37.500	68.1
28.000	59.1
20.000	53.8
14.000	49.5
10.000	45.2
6.300	40.2
5.000	37.4
3.350	35.0
2.000	30.9
1.180	26.9
0.600	22.2
0.425	20.0
0.300	17.6
0.212	15.3
0.150	13.2
0.063	10.1

Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	10.1			20.8			47.2			21.9	0.0

Sample Description Dark grey/black silty very sandy GRAVEL.

Project No. NMTL3584

BH/TP No. TP35

Project Clougherachullion Wind Farm - Donegal

GII PROJECT ID:10549-04-2021

Sample No. B

NMTL Ltd

Operator	Sb	Checked	Nc	Approved	Bc	Date sample tested	20/10/2022	Depth	0.80m
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