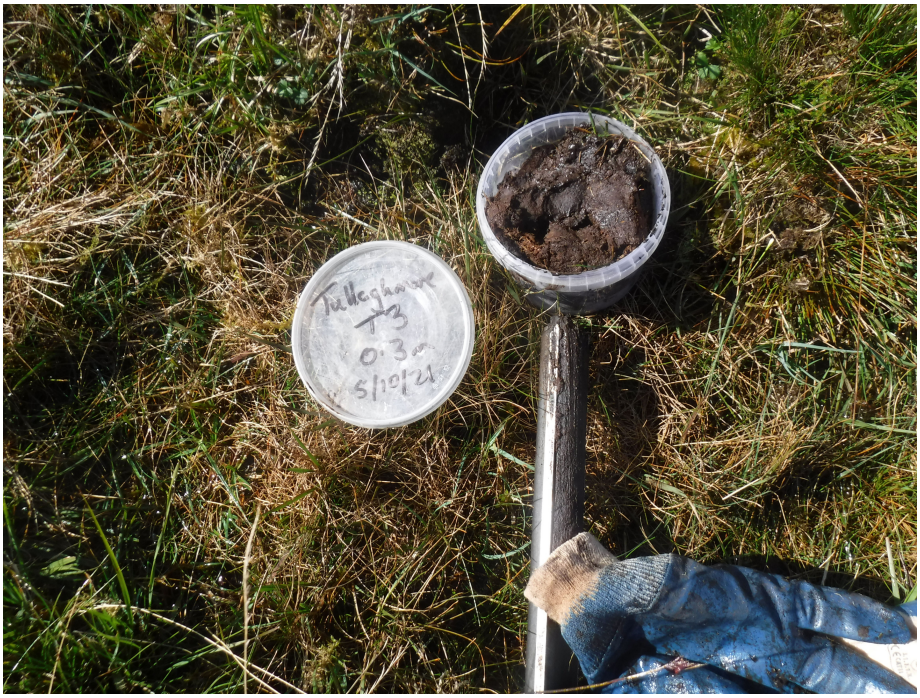
Gouge Core 5 (Turbine T1)

Location: Latitude: 53.46434 Longitude: -9.467751 Elevation: 135.85m

Date Sampled: 3/10/21
Peat Depth: 0.3m
Shear Strength: 10kPa
Slope: 19° South
Peat Description: Firm dark brown pseudo-fibrous Peat.
Von Post Classification: H7
Photos:

Gouge Core 6 (Turbine T3)

Location: Latitude: 53.46434 Longitude: -9.467751 Elevation: 135.85m
Date Sampled: 3/10/21
Peat Depth: 0.3m
Shear Strength: 30kPa
Slope: 14° South
Peat Description: Firm dark brown pseudo-fibrous Peat.
Von Post Classification: H5
Photo:



Gouge Core 7 (Turbine T5)

Location: Latitude: 53.46033 Longitude: -9.465447 Elevation: 108.03m
Date Sampled: 3/10/21
Peat Depth: 1.2m
Shear Strength: 25kPa
Slope: 13° South-West
Peat Description: Soft dark brown pseudo-fibrous Peat.
Von Post Classification: H5
Photos:

Appendix 2: Laboratory Test Results

pgl priority geotechnical	**Natural Moisture Content/Atterberg Limits Summary** **BS 1377 : Part 2 : 1990 : Clause 3**	**Job Ref**
Location	**Tullaghmore**	**P21225**

Hole ID	Sample Ref	Depth (m)	Sample Type	Sample Description	MC	LL	PL	PI	% Pass 425
Substation		1	D		1080				
T2		0.1	D		970				
T3		0.3	D		643				
T4		0.3	D		560				
T5		1	D		1068				

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UKAS TESTING
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Final Report

Report No.:	21-35224-1
Initial Date of Issue:	14-Oct-2021
Client	Priority Geotechnical Ltd
Client Address:	Unit 12 Owenacurra Business Park Midleton County Cork Ireland
Contact(s):	Colette Kelly
Project	Tullaghmore

Quotation No.:		**Date Received:**	11-Oct-2021
Order No.:	14126	**Date Instructed:**	11-Oct-2021
No. of Samples:	5		
Turnaround (Wkdays):	5	**Results Due:**	15-Oct-2021
Date Approved:	14-Oct-2021		

Approved By:

Details: Glynn Harvey, Technical Manager

Results - Soil

Project: Tullaghmore

Client: Priority Geotechnical Ltd				**Chemtest Job No.:**	21-35224	21-35224	21-35224	21-35224	21-35224
Quotation No.:				**Chemtest Sample ID.:**	1295764	1295765	1295766	1295767	1295768
				Sample Location:	T5	T3	T2	T4	Substation
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	1.0	0.3	0.1	0.4	1.0
				Date Sampled:	06-Oct-2021	06-Oct-2021	06-Oct-2021	06-Oct-2021	06-Oct-2021
Determinand	**Accred.**	**SOP**	**Units**	**LOD**					
Moisture	N	2030	%	0.020	92	76	77	93	86
Total Organic Carbon	U	2625	%	0.20	33	31	36	42	27

Test Methods

SOP	Title	Parameters included	Method summary
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com