Annex III

CORING DATA – PEAT DATA AND VON POST MEASUREMENTS	
SITE:	Lynemore Wind Farm
CLIENT:	Galileo Green Energy
SURVEY DATES:	November 2023, July and August 2024

					Peat depths and characteristics				Von Post H scores			Von Post B scores				
Ref ID	Easting	Northing	Peat Probe Depth (m)	Depth with Auger (m)	Actual Peat Depth (m)	Actual Peat Thickness (m)	Acrotelm Thickness (m)	Catotelm Thickness (m)	Acrotelm Von Post	Catotelm Von Post 0-1m	Catotelm Von Post 1-2m	Acrotelm Von Post	Catotelm Von Post 0-1m	Catotelm Von Post 1-2m	Comments on Core	Comments on Location
Pr_158	275950	832552	1.00	1.00	1.00	1.00	0.05	0.95	H2	H7		B5	B4		Wood fragments at 0.05 - 0.10m and at 0.95 - 1m, rock at 1.00m	Open moor, gentle slope
Pr_207	273150	832752	1.65	1.75	1.65	1.65	0.00	1.65		H6	H7		B3	B3	Gritty silt at 1.65m	Open moor, peat erosion, gentle slope
Pr_311	275250	832952	1.20	1.25	1.15	1.15	0.10	1.05	H1	H6	H7	B3	B3	B3	Sandy silt at 1.15m	Open moor, moderate slope
Pr_385	273750	833152	0.85	0.85	0.80	0.80	0.10	0.70	H2	H5		B4	B3		Sandy grit at 0.80m	Grassy open moor, fairly flat
Pr_393	274550	833152	1.35	1.35	1.35	1.35	0.05	1.30	H3	H6	H7	B5	B4	B4	Rock at 1.35m	Open moor, gentle slope
Pr_46	275350	832052	1.75	1.75	1.75	1.75	0.20	1.55	H2	H5	H7	B5	B5	B4	Rock at 1.75m	Open moor, fairly flat
Pr_539	276350	833452	0.95	0.95	0.95	0.95	0.25	0.70	H1	H6		B5	B3		Rock at 0.95m	Open moor, gentle slope
Pr_645	275150	833752	0.80	0.80	0.80	0.80	0.15	0.65	H2	H6		B3	B3		Rock at 0.80m	Open moor, moderate slope
Pr_693	273050	833952	0.75	0.75	0.75	0.75	0.20	0.55	H2	H6		B3	B3		Grit at 0.75m	Hilly moor, moderate slope
Pr_76	273750	832352	1.40	1.40	1.40	1.40	0.05	1.35	H2	H5	H6	B4	B4	B4	Rock at 1.40m	Open moor, gentle slope
Pr_763	275850	834152	0.90	0.90	0.85	0.85	0.05	0.80	H3	H7		B3	B3		Clayey silt at 0.85m	Forestry, gentle slope
Pr_85	274650	832352	1.00	1.00	1.00	1.00	0.05	0.95	H3	H7		B3	B3		Rock at 1.00m	Open moor, peat erosion, fairly flat
J_97	273644	832923	1.80	1.80	1.80	1.80	0.00	1.80		H5	H8		B3	B3	Rock at 1.80m	Grassy moorland, peat erosion, gentle slope
J_137	274419	832819	1.50	1.50	1.50	1.50	0.05	1.45	H3	H6	H7	B4	B3	B3	Thin layer of gritty silt on top of rock at at 1.50m	Grassy moorland, gentle slope
J_384	275232	833592	1.80	1.80	1.80	1.80	0.05	1.75	H4	H6	H7	B4	B3	B4	Rock at 1.80m	Grassy moorland, gentle slope
J_391	275361	833668	0.60	0.60	0.60	0.60	0.20	0.40	H5	H6		B3	B3		Gritty clay at 0.60m	Grassy moorland, gentle slope

					Peat depths and characteristics				Von Post H scores			Von Post B scores				
J_518	273601	833227	0.90	0.90	0.90	0.90	0.10	0.80	H4	H6		B3	B3		Rock at 0.90m	Grassy moorland, peat erosion, gentle slope
J_541	273942	833044	1.00	1.00	1.00	1.00	0.10	0.90	H2	H6		B4	B4		Rock at 1.00m	Grassy moorland, fairly flat
J_699	272766	832758	1.20	1.20	1.20	1.20	0.15	1.05	H2	H6	H7	B4	B4	B4	Rock at 1.20m	Grassy moorland, gentle slope
J_737	274940	832511	1.00	1.00	1.00	1.00	0.15	0.85	H2	H7		B4	B4		Rock at 1.00m	Grassy moorland, gentle slope
J_756	274684	833442	1.00	1.00	1.00	1.00	0.20	0.80	H3	H7		B4	B3		Thin layer of grit on top of rock at 1.00m	Grassy moorland, gentle slope
J_881	274883	832895	0.90	0.90	0.90	0.90	0.05	0.85	H4	H5		B3	B3		Rock at 0.90m	Grassy moorland, gentle slope
J_1275	272767	833398	1.80	1.80	1.80	1.80	0.05	1.75	H5	H6	H8	B3	B4	B4	Rock at 1.8m	Grassy moorland, gentle slope
J_1335	273305	833506	0.80	0.75	0.70	0.70	0.10	0.60	H4	H7		B3	B2		Gritty silt at 0.70m	Grassy moorland, gentle slope
J_1580	274192	833197	1.80	1.80	1.80	1.80	0.10	1.70	H2	H8	H6	B4	B3	B3	Thin layer of gritty silt on top of rock at 1.80m	Grassy moorland, gentle slope
J_1746	274874	833099	0.70	0.70	0.70	0.70	0.10	0.60	H3	H6		B3	B3		Rock at 0.70m	Grassy moorland, gentle slope
J_2025	275262	832767	1.80	1.80	1.80	1.80	0.00	1.80		H7	H6		B3	B3	Rock at 1.80m	Grassy moorland, peat erosion, gentle slope
J_2070	273320	832702	1.80	1.80	1.75	1.75	0.10	1.65	H3	H5	H8	B3	B3	B3	Silty clay at 1.75m, rock at 1.80m	Grassy moorland, gentle slope
J_2300	273932	832610	0.90	0.90	0.90	0.90	0.20	0.70	H2	H5		B5	B4		Thin layer of silt on top of rock at 0.90m	Grassy moorland, gentle slope
J_2495	274439	832442	1.90	1.90	1.90	1.90	0.00	1.90		H5	H7		B4	B3	Rock at 1.90m	Grassy moorland, peat erosion, gentle slope
J_2705	274859	832229	2.00	2.00	2.00	2.00	0.10	1.90	H4	H5	H7	B4	B5	B4	Grit at 2.00m	Grassy moorland, peat erosion, gentle slope
J_2957	275968	833908	0.60	0.60	0.60	0.60	0.20	0.40	H3	H6		B5	B3		Wood fragments at 0.55m, rock at 0.60m	Grassy moorland, gentle slope

					Peat depths and characteristics				Von Post H scores			Von Post B scores				
A_98	274869	832058	1.55	1.55	1.55	1.55	0.15	1.40	H5	H7		B3	B3		Small wood chunks in peat from 1.40m to 1.45m, Rock at 1.55m	Grassy moorland, Moderate slope
A_104	275259	831503	1.20	1.25	1.25	1.25	0.20	1.05	H3	H7	H8	B3	B4	B3	Rock at 1.25m	Grassy moorland, Moderate slope
A_133	276159	832003	0.60	0.60	0.60	0.60	0.05	0.55	H4	H8		B3	B3		Rock at 0.60m	Grassy moorland, Gentle slope
A_139	275859	831703	1.35	1.35	1.30	1.30	0.05	1.25	H3	H7	H8	B3	B3	B3	Grit mixed in with peat from 1.30m to 1.35m, rock at 1.35m	Grassy moorland, Moderate slope
A_146	275759	832203	2.00	2.00	2.00	2.00	0.05	1.95	H5	H7	H8	B3	B3	B3	Rock at 2m	Grassy moorland, Flat
A_591	275393	832280	1.35	1.40	1.10	1.10	0.25	0.85	H3	H6		B4	B4		Clay mixed with peat at 1.10m, rock at 1.4m	Grassy moorland, Gentle slope
A_662	275079	831686	1.70	1.70	1.70	1.70	0.05	1.65	H5	H6	H8	B3	B3	B3	Rock at 1.7m	Grassy moorland, peat erosion, gentle slope
A_728	275566	831713	1.80	1.80	1.80	1.80	0.15	1.65	H4	H5	H8	B3	B3	B3	Rock at 1.8m	Grassy moorland, Flat
A_787	276020	832298	0.95	0.95	0.95	0.95	0.05	0.90	H5	H6		B3	B3		Rock at 0.95m	Grassy moorland, Gentle slope

		Fine Fibre (F0 = nil, Fl = low content, F2 = moderate content, F3 = high content)			Coarse fibre (R0 = nil, R1 = low content, R2 = moderate content, R3 = high content)			Wood remains (W0= nil, W1 = low content, W2 = moderate content, W3 = high content)		
Ref ID	Actual Peat Depth (m)	Acrotelm	0-1m	1-2m	Acrotelm	0-1m	1-2m	Acrotelm	0-1m	1-2m
Pr_158	1.00	F2	F1		R2	R1		W0	W1	
Pr_207	1.65		F2	F1		R1	R0		W0	W0
Pr_311	1.15	F3	F1	F0	R2	R2	R1	W0	W0	W0
Pr_385	0.80	F2	F2		R2	R1		W0	W0	
Pr_393	1.35	F2	F2	F1	R2	R1	R1	W0	W0	W0
Pr_46	1.75	F3	F2	F1	R2	R2	R0	W0	W0	W0
Pr_539	0.95	F3	F1		R2	R1		W0	W0	
Pr_645	0.80	F2	F1		R3	R1		W0	W0	
Pr_693	0.75	F3	F2		R2	R1		W0	W0	
Pr_76	1.40	F2	F2	F2	R2	R2	R1	W0	W0	W0
Pr_763	0.85	F2	F1		R2	R0		W0	W0	
Pr_85	1.00	F2	F1		R1	R0		W0	W0	
J_97	1.80		F2	F0		R2	R1		W0	W0
J_137	1.50	F3	F1	F1	R2	R2	R1	W0	W0	W0
J_384	1.80	F2	F1	F1	R2	R2	R1	W0	W0	W0
J_391	0.60	F2	F2		R2	R1		W0	W0	
J_518	0.90	F2	F1		R2	R2		W0	W0	
J_541	1.00	F3	F1		R2	R2		W0	W0	
J_699	1.20	F3	F1	F1	R2	R2	R1	W0	W0	W0
J_737	1.00	F3	F1		R2	R1		W0	W0	
J_756	1.00	F3	F1		R1	R1		W0	W0	
J_881	0.90	F2	F2		R2	R2		W0	W0	
J_1275	1.80	F2	F1	F1	R2	R2	R0	W0	W0	W0
J_1335	0.70	F2	F1		R1	R1		W0	W0	
J_1580	1.80	F3	F1	F2	R2	R0	R1	W0	W0	W0
J_1746	0.70	F2	F2		R2	R1		W0	W0	
J_2025	1.80		F1	F1		R1	R1		W0	W0

J_2070	1.75	F2	F2	F1	R3	R2	R0	W0	W0	W0
J_2300	0.90	F3	F2		R2	R2		W0	W0	
J_2495	1.90		F2	F1		R2	R1		W0	W0
J_2705	2.00	F2	F2	F1	R2	R2	R1	W0	W0	W0
J_2957	0.60	F3	F1		R2	R2		W0	W1	
A_98	1.55	F2	F1		R2	R1		W0	W0	
A_104	1.25	F3	F1	F0	R2	R1	R1	W0	W0	W0
A_133	0.60	F2	F1		R2	R0		W0	W0	
A_139	1.30	F2	F1	F1	R2	R1	R0	W0	W0	W0
A_146	2.00	F2	F1	F1	R1	R1	R1	W0	W0	W0
A_591	1.10	F3	F2		R2	R2		W0	W0	
A_662	1.70	F2	F2	F1	R1	R2	R0	W0	W0	W0
A_728	1.80	F2	F2	F1	R2	R2	R0	W0	W0	W0
A_787	0.95	F2	F1		R1	R2		W0	W0	